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THE CALCUTTA GAZETTE

ANUARY TO JUNE 1882.

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CRESISTERED No.

No. 1 of 1882.



SUPPLEMENT TO

The Calcutta Gazette.

EDNESDAY, JANUARY 4, 1882.

OFFICIAL PAPERS.

Mon Subscriber the Gazarra may receive the Suprimum separately on payment of Siz Russen funnum if delivered in Calcutta, or Twelve Russes if sent by Post.

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RESOLUON ON THE CANAL REVENUE REPORTS FOR 1890-84.

No. 1767/A.
GOVERNMENT OF BENGAL

PUBLIC WORKS DEPARTMENT,-INRIGATION-ACCOUNTS.

Calculta, the 28th December 1881.

READ

The agail Revene Reports for 1880-81, and note by Chief Engineer on the same.

The captal expediture during the year has amounted to Rs. 19,11,480, and the total outlay inder this head has been Rs. 5,30,69,717. Of this amount Rs 5,13,01,41 have been expended on productive public works, Rs. 8,30,62 on irrigatin and navigation works chargeable to Imperial Funds, and Rs. 9,7,669 on orks the cost of which has been met from Provincial resources.

The amount of intest for 1880-81, payable by the Government of Bengal to the Imperial reasury, is Rs. 22,74,758, against Rs. 22,04,767 in the preceding year.

project, as compared with those of the two previous year -

1		A MEN'S	Re	coipts, 1850-81.	101s, 1878-50.	Beccipta, 1978-19
1	Orisea Prio	inot.		Rs.	Rt.	Ra.
Water-rates Navigation Miscellaneous		, 		1,78,047 71,402 20,325	57.747 98.075 13.696	2° 1,16.416 57,042 8,546
		Total		2,69,774	.60,518	1,82,004
	Midnapore	Canal.		1		1
Water-rates Nevigation Miscellaneous	•	 	23.1 22.1 22.1	• 1,12,960 93,090 10,407	30,140 05,518 11,667	85,61 77.347 8,356
14.0	-	Total		2,16,466	7,225	1,70,710
47 7	Hidgellee (Canal.		174		1 1
Navigation Miscellancous		1244 1244	K+1	53,888 1,149	4.918 863	50,728 1,070
		Total		54,487	5.761	60,793
1.00	Sone Pro	eject.	-		-	
Water-rates Navigation Miscellaneous	798	***	4 V 6 - V 0 > 1 V 6 -	9,78,286 61,145 39,233	\$ 1,716 859 013	* 3,73,312 20,332 • 34,983
		- Tordi		4,78,643	5588	0,37,626
1 . 3		GRAND TOTAL		10,19,371	101112	8,51,138

The outstanding balances on account of water-rates are-

						46 B.
Orissa -	7 9-	488 /		- 4.	110	- \$86*
Midnapore	•	***	S. S. See	100	896	974
Sone		***	***	244	261	4.261
	34.					
				Total	222	6.43.1

The falling off in collections and heavy outstanding tears are due to the low prices of produce which were current during the t four months of the year. On this subject the following quotation from the Chief Engineer's note shows how serious has been the depreciation in the value of the crops produced by the aid of irrigation:—

Price of common rice at Cuttack.

The second second	-			_ //	
ALCOHOL: THE				Quanti	ty per rupes.
SEE 50:20				1879-8	0. 1880-81.
TOP W	35-91			B. C	B. C.
Here E		100	of	17 1	37 12
April	610	100		16, 6	
May	210		750	14 7	
Jeme	436	200	194	16 7	16.6
July	1271	- 400	1,11	13 15	
August	WIF	212	222 14	13 15	
Beptember	***	100	390	15 5	
October	Re	MAN.	-146		
Noyember	1000	0.69	4 44	15 15	20 5
O PLANT	be.	Total	-	220 1	134 4
Averag	e for 8	months,	300	15	10 12
December	este	366	- R19		5 28 4
Camary.	2017	100	Age.	17	1 26 4
February	No.	10 March 19	415	18	80 11
March	Mrt.	MACHENINE TO	414	18	8 26 0
	1000	Total	7 211 4	70	3 100 7
Avdad	o for \$1	months	leng.	17	27 6
Average	for 12 a	nonth	1 24	16 1	20 5
16	1			No.	A STATE OF THE PARTY OF THE PAR

The low prices providing during the year are reported to have cause difficulties in promptly collecting of terres. From the returns in the Calcuttanazett from which the table marginally noted has an compiled, it appears that the price of rice it the first eight months of the year, som Apt to November, averaged, for commo rice 164 seems per rupee, whilst from December to Man, during which period the exop from the process of which the water-rates have to be defray is respect and sold, the price averaged 27_{10} errs per rupee. In the corresponding period the previous year the prices fore 15_{10} and 17_{10} access respectively, perupose In fat, during the latter part of the ear under reliew the prices of rice fell to nelly the average price for the seven years 186 to 1874, which was 29 seems per rupes."

and Behas were similarly affected. The serious difficulties in collections aused by a fall of 50 per cent. in the value of produce must be admitted; 'Int' effect on the year's realizations has been all the greater, inasmuch as the high prices of the previous year have prevailed since 1868.

In Shahabad, from which the major part of the irrigation revenue of the Sone canals is derived, the heavy balance is partly due to the inefficiency of the establishment employed. The Commissioner of the Patna Division in February last made considerable alterations in the system pursued, and placed an experienced Deputy Collector under the supervision of the Collector of the district in direct charge of the collection department. Considerable improvement has already resulted, which, owing to the close of the financial year being at hand when these changes were made, is not very perceptible in the accounts of the year. In the first five months of the present year the realizations from the Sone canals have, however, been Rs. 2,73,344, against Rs. 1,85,420 in the same months of that preceding. The Lieutenant-Governor confidently expects the Collecter of Shahabad will maintain and extend the improvement thus initiated.

The working expenses amounted to Rs. 9,93,446 against Rs. 9,20,498 in 1879-80. The increase is due to heavy sile clearances in Midnapore and the Sone canals. In Orissa there has been a considerable saving compared with the previous year.

The areas assessed for water-rates, compared with those of previous years,

are as follows :-

2		D	p	1890-61. Aures.	1879-30. Acres.	1979-79. Acres.
*OBSHAL	Khurrif Rubbi Përcanial	#	14.5	112,171 4,877 173	105,186 3,616 236	105,500 5,61P 283
		Total	X EST	117,221	109,038	111,250
MIDNAPORE	{ Khurrif Rubbi	1		103,862	100,054 124	58,607 124
		Total	***	103,862	100,178	58,731
9	Khurrif Rubbi Perennial	***	***	134,208 50,290 23,127	41,132 62,266 27,168	99.964 77,430 19,624
1	A.	- Total	100	207,625	130,556	197,018
	. G	RAND TOTAL	147	428,708	339,772	366,999
		All Indiana and All Indiana an				

The increase in the total area under irrigation is satisfactory, as the rains, except for the khurrif in Behar, were sufficiently plentiful to render

artificial irrigation not absolutely necessary.

The extension of irrigation in the Balasore district is especially encouraging, as not only were the rains seasonable, but the arrangements for distributing water from the third range of the High Level Canal are, in the absence of distributaries, necessarily imperfect. Estimates for extending the distributary system and providing drainage and protective works where necessary will shortly be submitted to the Government of India for sanction by the Secretary of State.

When the works provided for in these estimates are completed, the area irrigable will be raised from 182,380 acres to 653,236 acres. The Chief Engineer thus describes the probable financial effect of the proposed extension of the distributary system, which affords the only means of putting an end to the recurring deficit which the Orissa canals impose on the province:

proportion* to the area provided with distributaries, if the canals not now furnished with distributing channels were completed in that respect. In this case the area irrigated would be nearly trebled, and the income from water-rates enhanced in the same proportion, with no material increase in the working expenses. "It is reasonable to suppose that the area irrigated would continue to bear much the same

The balance of assessment remaining to be collected at the close of the year, as compared with the two previous years, shows a satisfactory diminution, more especially, as the low price of rice caused the, water-rates to be a heavier burden than usual.

observes on this subject-

revisit of risting leases, the rainfall of the year having been so copious that a good crop could be secured without resorting to canal water. The most satisfactory feature in the irrigation operations of the year was that, according to both the Superintending Engineer and Deputy Superintendent, the demand for canal water for leased areas exhibited little or no diminution. The latter

"The Midnapore agriculturists have thoroughly appreciated the benefits of causi irrigation, and the lessees under existing quinquennial contracts vigilantly waited for opportunities for introducing the river, water to their land whenever practicable. The rain water was drained out of the fields, and the causi water was figurited to them whenever there was a cessation of rainfall, or even when it did not pour heavily. The silt which the fiver water extries with it is much coveted by the cultivators, and they are unanimous in opinion that if does more good than home-made manure."

This is important as showing that, eyen in years when the rain all is above the average, the cultivators receive an equivalent for water-rates payable by them.

The considerable increase in khurrif irrigation in Behar was mainly due to the short rainfall in September; but the large increase in the lengths of village channels contributed in no small degree to this satisfactory result. As these channels are constructed at the expense of the landholders and cultivators, the outlay thus voluntarily fugurred proves that a steady demand for canal water is becoming general. Credit is due to the local Engineers who have constructed or aligned these channels.

The falling off in rubbi irrigation is accounted for by the abundant rainfall in the latter half of October; it was, however, probably not uninfluenced by the substitution of khurrif for rubbi crops, which has been alluded to in previous revenue reports.

The Lieutenant-Governor regrets that the experience of the present year does not confirm the hopes enferted of dispensing with closures on the Bone canals. He relies on the Superintending Engineer making further efforts to prevent the ingress of silt, and on his endeavouring to increase the efficiency of the dredging plant employed.

The total revenue derived from navigation was Rs. 2,78,984, against Rs. 2,88,370 in the year preceding. These figures include the earnings of the Government transport service, which amounted to Rs. 67,387 in the year under review and Rs. 61,598 in 1879-80. Apart from the question of revenue, the service even at this early stage of its existence more than pays its expenses, while the great convenience to the people of the districts traversed is admitted on all hands. Measures for extending and improving it are under consideration.

The following statement shows the tollage collections for the last nine years:—

Maria .		MON.		4.1.	7'0	off coffeedion	1. ×	
			-	Oriona.	Midnapore.	Hidgeliee.	Bone,	Total.
				Re.	Rs.	na.	Ra. &	Rs.
1872-73	100	200	***	10,044	20,994	14,454		45,498
1873-74		Mr. Chart .	4.11	18,577	34,104	27,978	THE PARTY OF THE P	80,659
1874-78	200	101		21.412	44,886	62,200	STREET, ST	1,18,507
1875-76	401	411		18,377	61.810	22,540	企作以外	90,727
1876-77	100	7	The latest	22.881	67,651	34,572	4,852	1.39.956
1877-76	Chief.		441	33.884	1.06.917	60.971	26,774	2,28,506
1878-79		1- 10-04	- 33	67,042	77,340	59,723	29,332	2,23,437
1879-80		100	COOK	62,389	91,861	44,918	27,604	2,26,779
1680-81	47 100		10.34	41,297	77,143	63,338	39,619	2,11,597
e .			4325	Building Street	W. W. W. W. W. W. W. W. W.	12 Tall Vac	De la Contraction de	1

The falling off in the tollage receipts of the Orissa and Midnapore canals is due to the almost total stagnation in the rice trade consequent on the low prices that prevailed during the year, which induced the ryots and merchants in the interior to hold out, where possible, in expectation of a rise in price.

There is a hopeful increase in the traffic on the Sone canals, and the receipts from the Hidgellee tidal canal show a

teady growth.

The operations of the year are on the whole satisfactory, the earnings of the canals having been Rs. 2,33,541, but the receipts have been disappointing. The expected revenue is, however, for the most part deferred rather

is, however, for the most part deferred rather than lost. The collections have unavoidably fallen into arrears through the unwillingness of the cultivators to pay without pressure—a result of the low prices of produce, and in some cases of the difficulty of selling at all. Seasons of such abundance are unhappily not frequent, and when they do occur, the general prosperity of the country more than compensates for some loss to the State in the revenues derived from canals the property of Government.

The acknowledgments of the Lieutenant-Governor are due to Mr. F. M. Halliday, Commissioner of the Patna Division, for the reorganization of the collecting establishment in Shahabad; to Mr. R. H. Rhind, Superintending Engineer, Orissa Circle, for the careful manner in which the areas irrigated have been verified, and statistics regarding the duty of water collected; and to Major Heywood, E.E., Superintending Engineer, Sone Circle, for the great advance, made in village channel construction.

By order of the Lieutenant-Governor of Bengal,

H. C. LEVINGE,

Secy. to the Goot, of Bengal, P. W. Dept.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 31st December 1881.

No.		District, ar		te of		Rainfall a Sudder Station in inches.	
-	- 1			-	91		Get 1 - 18 A - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
ENG	BAL	Woelern L	Mateic	de.	1		
		b derein w		and the			weather cold and misty. Harvesting of rice nearly completed; average out
7	1	Bordwan,	Ded	कर :		000	turn 14 annes. Winter crops favourable. Cholera reported at head-quarter
1	2	Sankoers,	19	81	34	Nil	Weather-very cold from evening of 28th to morning of 37th, heavy cloud hung about, and a few drops of rain fell. Amus dhan has been respect in themas Bankodra and Onda and is being threshed. In other thanss reading is still going on. Outurn has been reported to range from 10 to 18 annual
1		place :					Sugarence is nearly ready, and prespects are davourable. Other winter crop are doing well. Native peace are now coming to the market. Fever is abasia,
	8	Hearbhoom,	p.	31	12	A few drops,	and general health gradually improving. Weather—first-half of week cold, dryvand favourable, but second-half cloudy an threatening rain. Heavesting of amore continue. Prospects of rubbes cross-
1		Midnepore,	21	21	-	0.23	favourable. Pover absting; no new cases. Weather—seasonable, cloudy, and a little rainy on 28th and 20th. Prespects erops generally favourable. Harvesting of paddy nearly, finished. Prices little higher. Pover still prevalent in many places of the district. An abstemer
1			-		1		is reported from Ghatal, but death-rate in chronic cases is rather heavy in ever thank of that sub-division. Scattered cases of choices are also reported fro
1	6	Hooghly,		31	65	0.16	that sub-division. Weather—cloudy and forgy; alight rain. Amos being gathered and store Winter crops vary favourable. Cholera and fover subsided.
1		Howrab. Mobeshrel	ka gr	31	1	0.85	Weather—fine again; the 29th was rainy. James paddy nearly reaped. Rebb prespects good. A
		Contral I	distri	eti.			The second second
4	6	24-Pergunnah	, Dec	31	181	0.37	Weather-seasonable. Gathering of ames rapidly going on. Prospect of col- weather scope fair. Fover and cholora conting, but cholora still preva- to some extent in them Kallygunge in Satkbirah, and in triamond Harbo
1	18				1	****	and-division.
Pamisaron Divis	7	Naddss.	dr.	31	21	Nil	Weather—rather warm and cloudy during the week. A few drops of rain fell- the night of the 29th. Winter crops fair, but in want of rain. Fever prevaler Some cases of cholers have been reported.
	8	Jessors, Khulea	24	31	a)	0.02	Weather—cloudy and cool. Aman paddy is still being harvested. There we a few drops of rain at Sudder, but they have done no good to winter crops. Rais much wanted, and mastard crop has been almost spoiled. Hase rubb generally has been greatly injured by want of moisture. A few cases of chole reported in Jhenida, Magoora, and Bagirhat.
N.		Mooruhedabad	4 24	81	,,	Nil	Weather cool, does is being still harvested. Winter crops are thriving we
		100		34	-	0.40	Fever much abated. A few cases of cholera reported.
1000	10	Diungepore.	10	80	*81	Nil	Weather—seasonable reather cloudy the last day or two? Probable outto of amun crop 10 to 12 annas Rubbes crops promise well. Prices stationary Weather—seasonable, Prespect of crops good. Price of rice stationary. Fer
1	11	Rajsbahye,	39	31	27	Nil	consent throughout district. Chelera also reported in parts of district.
	12	Rungpore,	43	30		Nil	Weather alightly warmer and rather cloudy. Cutting of area paddy near concluded; other prospects fair. Rain rather wanted in places. Cholesported from some localities
NAME OF TAXABLE PARTY O	18	Bogra,	*	81		Na	Weather—generally very fine; one cloudy day. Harvest of winter paddy nea finished. An average of 10 or 11 annas expected. Rain speeded for rabb Public health fair; but fever, and a little cholers, are still reported from a
	14	Pubna,	49	31	0	NIL	places. Weather—cool, without rain. Rice harvest almost completed; outture for A large mustard crop on the ground. Other crops require rain. Perer in Doo absted. Snattered cases of cholers in various parts.
X X Y	15	Darjeeling,	N	81	77	Ni	Weather sensonable, All crops doing well. Harvesting of winter rice in To
	16	Julyigares.	dF.	31	51	Nil	Westher sensonable draus harvest progressing. Tobacco being transplant Cold-weather crops all promising.
1		Coock Behar,	PI	29	10.	Nu	Wenther—cold and seasonable. Cold-weather crops doing well everywhers. Lerice being still cut. Rice selling at its. 1-9. Public health good.
ы		Bustarn	Dieta	riota.		51154	
: [19	Dates,	Bec	. 81	'61	0.07	Weather—seasonable, but cloudy in latter part of week, with showers of rain 30th. Harvesting of some almost completed, yield average. Prospects winter crops good. Speradic cluders throughout the district.
4	18	Surreedpore,	1	81	4	Nil	Weather cloudy towards the end of the work. Amus crop is being out, w
Dioce Dive.	19	Gordande		29	FF.	0.02 Mil	o fair promise. Rubbee is already sown or heing sown. Wenther—dull and cloudy; a few drops of rain have fallen. Amus barvest s in progress. Russeri, chillies, and other cold-weather crops are doing well.
3	20	Mymensingh,		80		Mil	Weather cool and dry. State and prospects of crops good averywhere.

7		To Part of the		335		1	
	No.	District	, and sturb		of	Bainfal at Sudde Stations inches.	Character of the wenther, state and prospects of the crops, and
В	ENG	AL. Convinc	(ed.)	4		-	
	Book	era Districta	-(001	relad	ed.)		
	12	Chittagong			9.	e 20170	Report not received.
Drym,	1	Washington II.		A.	w to		
U 000	2	1-11-11-	10	ec. 2	:# 'B		Winther—cold and seasonable; mornings cloudy. About 2 the of the owner crop has been harvested. Prospects of cold-weather crops fair. Rain wanted. Health generally good.
Califorages	1 88	Chittagong	Er : 11	., 31	er Ser Yi	0.02 Nil	Weather—sensonable. Aman them has almost everywhere been respect; outtuen an average one. State and prospects of winter crops favourable.
Ca.	1	Tracts.	asiu ,	n -5	(_{co} rw	313	Weather-very cold, with foggy mornings. Gathering of cotton in jooms to finished. Mustard crop is in full flower. Harvesting of plough paddy is still going on.
		Hill Tippon	ab,	., 26	j.	Nil	Weather—seasonable. Gathering of amus nearly finished. Sugarcase still being cut. Winter crops doing well. Public health good.
81	HAI	R. 4					
	/ 26	Patne,	De	c. 81	'81	Nil	Weather-cold and seasonable. Winter crops progressing well. State of subles
	26	Gya,	P3	31	73	361	good. Public health good. Weather—seasonable. Paddy is yet being harvested. Prospects of rabbes good.
1	27	Shahebad,	33	81	20	Nil	Favor much abated. Weather—cool and fine. Harvesting of winter rice nearly completed. Endowed Promises well. A little rain is wanted to improve its prospects. Favor much
PATHA DIVE.	28	Darbhunga,	п	31	19	2011	abeted. Westher-cool. Harvesting of rice nearly over. Rubbes crops doing well. Tobacco promising. Prices falling. Health fair.
Pat	10	Mosa Serpore	7. 15	81	0		Weather-cold. Hervesting of winter rice almost completed. Rubbee prospects good.
	30	Sarun,	38.	81	27	Nil II	Weather—bright and cold. Rice, has nearly been harvested. Prospects of rubbee and poppy crops good. Public health better than the last month. No new sickness prevails.
- 1	31	Champeron,	ga	31	21	Nil	Weather-fine; cool. Prospects of crops continue good. Fever abating.
Dira.	35	Monghye, * Bangutpore,	101	31	'8]	Nil 3	Weather—rold; cloudy on 29th. Prospects of crops continue very favourable. Weather—cool and seasonable but continues dry. Prospects of crops good. Public health fair, but some small-pox in places.
3	24	Purneah,	Ap.	31	43	Nil Y	Venther—seasonable. Cold-wenther crops give fair promise. Public health some- what improved.
Basevardus Diva.	85	Muldah,	**	31	n:	Nil V	Ventlier—not so cold as usual at this sesson. Sky cloudy for the last three days, Cutting of winter rice going on everywhere. Condition of rubbes crops good. Common rice selling at from 25 to 30 seems a rupee. Fever has abated. General
100	in.	Southed Pergl	10/2	81	14	Ni) *s	health good.
081	88A.	17 1 -	4	1		-	Reaping of dhan going on
Ozer	315	Costnok,	Dec	30	481 1	Delegion	Venther-cool and cloudy. Cutting of sarad crup is almost completed and
: (4		1		Zi taxii ug	that of rubbes commenced. Dalua rice is being sown and transplanted. Com- mon rice sells at 3, seers per rupes. Cholera still provalent. Fover also
Online DIVE.	28	Poores,	b.s	29	29	A few drops.	reported. Foather—seasonable. Sarad rice belong barvested in some places and threshed in others. Lagha rice is also being harvested. Sugarcane being crushed. Miscellaneous crops going on well. Common rice sells at from 27 to 40 Calcuta sears for the rapes. Fever provails, and small-pox reported. Cattle-disease
° (39	Halmere,	29	30	n	0.09	still prevails. feather—drizzling rain and raw. Rice harvest approaching conclusion throughout district. Rubbee progressing. Health fairly good. Rice dearest at Dhamnagar. 28 score to the rupes; cheapest in the north where it varies from
CHO	TA :	NAGPORE.				7.5	45 to 56 seers to the rupes.
4		South-West		ulier	1	17	
157 M	60	Hazaresbagh	20 - 1	80	81		Conther—cold and cloudy during latter part of the week. Prospects of winter crops fair. Rain much wanted. Prices slightly raised. A few cases of small-pex reported from the interior. Public health generally good.
	41	Louarduggs,	0	81	2	MII	osther—sessonable. Outturn of oil-seed crop at head-quarters is poor. Faday harvest completed except in parts of Falamow. Prospects of record indifferent become of sais. Prices stationary.
1	43	Singbinom.	21.	80	n		Conther—warm since 16th; threatening change. Fauny at harvested with good
	49	Manhacom,		31	ш	1630 W	Tandle Standing crops promise well. Public health good throughout the district. The fover at Begunkudar considerably diminished. Chicken-pox reported from some places.
	11	1 19	ME	15		4	

Published for general information.

OMLOUTIA, STATISTICAL DEPT.,
The Std January 1882.

COLMAN MACAUBAY,
Offg. Secy. to the Gout. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 25th to 31st December 1881.

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The maximum and minimum temperatures are obtained from self-registering thermimeters. Al		The	AVOIR	ge tall	of the	corre	Epono	ding [period	for a	4 yea	urs,	S. G. Office	- 6	1 114	65 24
ermometers are verified, and the readings have been corrected to a standard constructed and re-		The	Maxin	pressu	id mi	nimun	a ten	abera	are d	BYE	ohtai	nari	from self-remarkable	REPU	TRACE	Thermogra
The same of the sa	cI	mom	etera	are ve	rified	, and	the	read	ings	have.	been	CO	rrected to a standard	con	struc	ted and veri
the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended above the ground.	et	STOCK	s the	ground	L	47.70	The same	17.00	A SEN		Sec. 1		And the second second		F () N	Charles Ton

The barometer readings are corrected approximately to those of the standard Newman's No. 86, semerily at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III. IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction of the movement of the wind are taken from the trace of a Beckley's aummograph.

The mouth of the rain-gauge is one foot above the ground.

The fog, A dev, o overcast, g gloomy, d drizzling rain.

ALEXANDER PROLER,

METEOROLOGICAL OFFICE, INDIA, The 2nd January 1882.

For Offg. Meleurological Reporter to the Government of Incident

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 25th to 31st December 1881.

										Temple		•	. Н	TORONITA	¥,	
Морги.						10 Tu	6	Blam.	ur Lebsion.	polisi.	- Alibic					
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· 1	M .		112		29:h 30:6		81/2 8// 6	73** 71.8	10.7	63/1	1506	69°4 69°8	83 89	0"11 0"#2		
	w h =	*11			Slat		67:1	77-1	19.8	67.9	491	88.4	71	Nil		

The mean temperature of the seven days	+ 4 +	***	65:6
The extreme variation of temperature during the seven da	y8		24.6
The maximum temperature during the seven days			79:0
			n r
3			10
The mean relative humidity during the seven days			73
4			Inchas.
The total fall of rain from 25th to 31st December 1881			0.83

The mean temperature is obtained by applying to mean of the 10b, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

Surveyor-General's Office, Chowringhee, in past years.

The means of the hygrometric elements are the crude means of the values derived from the three readings of the instruments.

METEOROLOGICAL OFFICE, INDIA,

ALEXANDER PEDLER,

The 2nd January 1882.

For Offg. Meteorological Reporter to the Gont. of India.

Abstract of the results of Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of December 1881.

1		Θ	
			Date.
The mean temperature during the month	***	66	8
The highest temperature during the month	A NAME OF THE PARTY OF THE PART	81.	0 1st
The lowest temperature during the month		51	1 17th
The range of temperature during the worth		29	9
The mean daily range of temperature during the	month	21	4
'The greatest range of temperature in one day du	ring the mouth	25	6 16th
		o/s	
The mean humidity during the month		66	
and the second second		11	nches.
The mean vapour tension during the month	101	0:	422
The total rainfall of the month	***	0	88
The greatest fall in 24 hours	993	0	22
The number of rainy days during the month	,	2	days.

ALEXANDER PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

METEOBOLOGICAL OFFICE, INDIA, The 2nd January 1882,

Weekly Return of Traffic Receipts on Indian Railways.

KAST INDIAN RAILWAY.

Approximate Steturn of Traffic for week ended 24th December 1881, on 1,5041 miles open

*	Coadur	no greek	PC.		appid.	1	Other men	inda		TRAPPIC	TRAID-MIN	pu pres.
	Sumber of passingers.			Weight carrie	d. Roccipia.		(miliamento	d}.	Total carnings,	Cononing.	Merchan-	Total.
Total traffic for the week Or per inite of railway For oversions 24 works of half-	145,285	2.23,9 12	A. P. 10 6 18 8	71 da. 0 18,05,719 80		P. 6	الم. م. 1989 ق 7 ق	31	RA. A. F. 10,18,970 6 9 678 1 0	49,011	186,0700	178.0014
3007 10 10 10 10 10 10 10 10 10 10 10 10 10	8,903,936	63,03,723	1 3	4,73,78,690 20	0 1,47,22,577 16	B.	3,94,994 B	10	2,04,19,596 19 7	12,08,1351	2,691,534}	3,897
Operations	5,849,171	55,26,635	11 5	4,94,85,350 10	0 (1,55,96,358 +	ti .	4,43,767 2	1	2,14,36,550 1 4	12,67.33#4	2,915,8056	a tell of the
						1				_	t	4
Total for corresponding week of previous year. Per mile of rail was ourresponds	(105 ₃ 455 ₁)	2.55,810	0 2	18,67,463 \$	0 8,91,046 12	Б	99,284 4	4	10.44,061 0 9	46,016	• ₹ ½708b	184,724)
Total to corresponding date of		160	11 7	00.00	489 6	4	68 6	5	094 7 4	an	A48.11*	141 ***
Station 201, w	8,747,240	56,75,391	12 5	4,53,41,971 \$	0 1.31.17.842 15	30	5,42,200 B	2	1,95,54,695 1 8	12,40.591	1,826,8101	3,670,109

BASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week anded 17th December, 1881, on 1711 miles open.

-	Соледии	o TRAFF	IC.		Menoga sum Tr	RAND MI)4 W)	EAT.	Other or	mie	ngel	Total ear		- 1	TOTAL.	TRAIN-MEETIN	nen.
	Number of passement.	Conch			Waight carried	Lece	iph		(estima			1 Open cen	TIII.	njira -	Corching.	Morehan- disc.	Total.
			A- 1			Re.		P.	Re-	A. I				p.+		-	
form traffic for the week Fr per tiplic of railway For previous 26 weeks of half-year	47,186 274 1,028,400	87,590 210 7,04,553	.0.1	0 :	2,64,420 0 1,535 23 78,00,761 0	759,180 533 35,10,640		0		12 1		36,254 360 39,27,572	0 40	140	5,999£	969,218	2,90,75
Total for 25 weeks	1,090,561	7,31,283	,i)	0	76,05,011 0	23,68,729	a	U	12,615	0	0	31,19,425	ø	9	1,52,548	255,4068	*4,00,84
COMPARISON.																į	
otal for corresponding week of previous year erintic of raciway correspond-	35,760§	26,041	0	0	2,07,008 0	45,707	0	0	816	€	0 (72,634	0	0 1	6,499)	4,7451	18,44
lik week of previous year	208	151	10	U	1,505 81	266	5	Б	- 4	13	0	443	0	6	>+h ++n		*** **
photons year	948,998)	6,17,728	Б	0	63,84,690 0	19.18.433	D	0	16,951	n	0	25,52,201	n	0,	1,40,1866	2,90,042	3,60,39

· Ea. 185 included on account carriage of revenue stores.

BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Rockins.

intest cours		Length	RECUIPED FOR	WEEK ENDING	Total Receipts prom lat	Total increase	Total Pe
received	Name of Eastway.	opeu.	Mih November 1886.	18th November 1681.	To 20th November To 19th November 1880.	ip 1881.	in 1881, de
1861. Pkh Navember	Nurthern Bengal	Miles.	Bo. A. Z.	Ra. A. P.	Ва. 4. у. Ва д. ў.	R4. 4. F.	Ra.
oth vitta	Pason-Gya	12 10 10 10 10 10 10 10 10 10 10 10 10 10	14,022 0 0 16,436 0 0	12,520 0 0 7,544 0 0	13,90,900 e 0 18,40,927 u 0 6,20,634 u 0 4,94,224 D 0 4,27,102 0 0 4,45,656 u 0	1,60,129 0 0 25,710 0 0 23,334 0 0	
5th Nuveraber	Kantern Nalhati	15 27\$	1,091 ♦ 0 1,100 0 €	1,815 U 6 1,147 U 0	1,2%,651 0 0 1,34,175 0 0 RZ,400 0 U 58,293 0 0	10,524 4 0	6,217
	Total	4842	60.002 0 0	67.079 0 0	24.04.470 0 0 20.70,035 0 0	2,11,050 0 0	



SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, JANUARY 11, 1882.

OFFICIAL PAPERS.

Non-Subscribers to the Gazzette may receive the Suprement separately on payment of Six Ruj

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LAC TRADE IN THE SONTHAL PERGUNNAHA

No. 2478R, dated Dumka, the 3rd December 1881.

From-W. D. Oldram, Esc., Deputy Commissioner of the Sonthal Pergunnaha, To-The Commissioner of the Sonthal Pergunnahs.

In compliance with your No. 4256R, dated 8th September 1881, I have the honour to forward a note on the lac trade of the district which has been drawn up for me by Mr. C. F. Manson, Deputy Collector, the officer to whom I generally resort for information on statistics and material products.

and material products.

2. The development of this industry was first brought to my notice by the great and increasing number of cases of petty theft in which lac had been stolen, and then by some civil cases regarding the cutting of the palash tree, in which evidence was given that, while not long ago it was a worthless jungle, it had recently become an object of preservation; something furth r transpired on the subject when the financial prospects of a telegraph to Dunka were being discussed in March last. The lac traders said that a telegraph would be of much importance to the lac trade, which they described as subject to very sudden fluctuations, and as attended with much risk. The traders are Marwaris as well as Hindustanis and Bengalis.

3. The information from which Mr. Manson has compiled his note has been collected by himself, and also by the sub-divisional officers of Dunka (Mr. W. M. Snuth,) and of Deoghar (Mr. S. S. Jones, c.s.). From the zemindari portions of Rajmehal and Pakour little lac is produced. As regards the Covernment estate under our own direct management we have the least information of all, as pulsah trees are not there assessed, nor is the production of lac, a mehal. I do not, he wever, recall ever having seen large plantations or rather thickots

las a mehal. I do not, he wever, recall ever having seen large plantations or rather thickors (for the growth is spontaneous) of the pelash in the Damin-i-koh.

4. In the proceedings of Mr. J. P. Ward, when demarcating the Damin-i-koh in 1826, I find the sal and the palash described as the characteristic trees of the district. It was not then known that the latter had any value, and the semindars of tuppah Borkope and Patsunda, in the present sub-division of Godda, had imported Sonthals expressly to clear away the dense palash thickets. Another vernacular name for the Butsa frondom is dhak, a word which gives its name, I believe, to the city of Dacca, as palash does to the battle-field of Plassy.

5. Mr. Manson's information about the known tree as a lac producer is new to me, though I have had on other grounds to make enquiries about the extent to which this valuable tree has survived in the district. Mr. Manson is in error, I regret to say, in writing that the known is common enough in this district. Its timber is probably the most valuable that grows here; but the trees have been recklessly destroyed, and are sought after wherever found for cart-wheels and ploughs. There are comparatively few survivors. The known is now rigorously preserved in the enforested part of the Damin-i-koh. This tract will eventually afford a rich field for the production of lac, though, till the exclusion and restrictions being applied to it are thoroughly established, it cannot very well be worked in this direction.

6. The Paharias referred to by Mr. Manson, as the introducers of lac, are the Mal Paharias, who have spread to this district from Manbhoom (or Malbhoom), the home of the race, and who are not to be confounded with the Saonen Maler who are found only in the

Rajmehal Hills.

Note on the Lac industry in the Sonthal Pergunnahs. 1881.

When the lac insect (Coccus lacca), or, as the natives call it, laker lake, was first introduced into this district is not known, but there is a concurrence of opinion that the Paharias were the introducers, or at any rate the first cultivators of it, and the industry is known to have existed in some parts of the district for the last 40 or 50 years. The insect is supposed to have been introduced from Manbhoom, but this must be only a surmise, since the date of its introduction is not even approximately known. Lac is a cellular resinous incrustation, secreted by the insect round the branches of various trees, having a colour varying from a deep orange to a dark red according to the tree on which it is produced. It contains from 60 per cent. to 70 per cent. of resinous lac, and 10 per cent. of a dark red colouring matter which is manufactured into lac-dye, the remaining 20 or 30 per cent. being refuse.

Lac, as turned out by the manufacturers, is termed shell-lac, known to the trade by various names, such as orange-leaf, manufactured principally at Mirzapore in the North-West; reddish orange livery leaf and button, manufactured at Ram Bazar in Beerbhoom, and by the Ranchee Lac Company at Ranchee in Chota Nagpore; and garnet manufactured in

Calcutta.

Lac, as sold by the growers, is termed stick-lac; and as there are no manufactories in

this district, it is with this raw material that we have to do.

Lac is cultivated in all the sub-divisions of this district, but most extensively in tuppah Handwai, in the sudder or Dumka sub-division, and which is nearly in the centre of the district. In this tuppah the original, and still the principal, seat of the industry is taluk Kesri, which alone yields the zemindar revenue of Rs. 2,000 a year from the lease of groves of trees for the cultivation of Iac. Besides taluk Kesri, Iac cultivation has long been known in the villages of Kainjor in taluk Nadia, Jartal in taluk Singui, and Ashanhani in taluk Baii, all within the tuppah of Handwai.

been known in the villages of Kainjor in taluk Nadia, Jartal in taluk Singui, and Ashanhani in taluk Baji, all within the tuppah of Handwai.

Haripur, the market town of Kesri, is still the chief business centre of this trade, although the industry has now apread to all parts of the sub-division. Its holding its own against the head-quarters town of Dumka is due not only to its being the birth-place of the trade, and its still being in the centre of the chief producing area, but because the exports being chiefly made to Mizzapur through Baidyanath station on the Chord line of the East Indian Railway, it is a more convenient centre for accumulating stocks, being only 43 miles from the station, whereas Dumka would be 48. The other markets in the sub-division for lace are Kumrabad, about 5 miles south-east of Dumka, Sareyahat 28 miles north-west, and Nunibat 17 miles west-north-west of Dumka.

Although lae has been produced here for the last fifty years, it is only within the last 9 or 10 years that the industry has developed into an important item of our export trade.

I am not in a position to give accurate figures of the yield of the lac crops of past years; they might be compiled from the East Indian Railway records with some degree of accuracy, but the following statement of the principal traders' managers here, as reported by Mr. W. M. Smith, the Sub-Divisional Officer, shows sufficiently the extensive development that has taken place. He cays—"When I came here first, about 8 or 9 years ago, the annual crop was from 500 to 600 maunds. The last Bhadro crop (1880) yielded 16,000 maunds in the Bumka sub-division, the Boishak crop (May 1881) about 6,000 to 7,000 maunds, and the present Bhadro crop (October 1881), which is not so good as last year's, is estimated at 10,000 maunds."

The annexed statement of Iso exports from the Buildyanath station, obtained by the Bub-Divisional Officer, Mr. S. S. Jones, c. s., shows that the above figures cannot be very farout. Some of the produce is exported by road to Ilam Bazar in Beerbhoom, some no doubt

finds its way to the Loop line vid Amrapara, Hiranpur, and Pakour, some towards Godda and Bhagalpore, and some towards Manka and Raneegunge; but to balance this there is the local produce of the Deeghur sub-division about 2,000 maunds, and some small amount drawn from the Godda and Bhagalpore side. There are also small exports of lac trade, I am told, from the Maddapore station, but no figures are obtainable.

Statement of Stick-lac despatched from Baidyonath Station, East Indian Railway, during 1880-81.

	1.	Month.			Year,	Quantit	y.	Kour.	Quantit	3%
			0	· E		M Ds.	829.		M de.	120.
January		***	420	481	h d	254	30	5	5.434	20
Fourmary	122				i il	115	0	il È	615	10
Mazeh	111	411	411	***		400000	4.6		96	20
Auri			114			h			429	10
May			F-1			114	0	11 . 1	1,206	10
June		***	***		888	200	30	13.00	381	0
July	110	100	-4*		(2)	2,229	20	1181	408	30
Augrat	114	h h f		141		2,007	0	H H	613	()
September		1.00	+4+	4.00		721	30		455	20
October			471	111		573	30	ll li		194
Nevember		104	100	He		3.213	30		1444	
December			4 4 6	+4+		2,912	0	기	*****	
			Total	-14		12,252	10	P24 str	9,640	0

Mr. W. M. Smith, the Sub-Divisional Officer of Dumka, has also obtained figures from the zemindar of tuppah Handwai, showing his receipts from the groves of trees leased out for lac growing, which still further exemplify the rapid expansion of this industry:—

The figures obtained for 11 other estates in the Dumka sub-division are as follow:-

			Ra.
1285	194	***	2,232
1286		**4	2,488
1287			3,66 9
1288			4.488

and these include Kesri, in which the increase has only been Rs. 151 on an original revenue of Rs. 1,871; so that the development in areas to which the industry has only recently extended is from Rs. 361 to Rs. 2,466; and no doubt the same ratio of increase has been obtained in the rest of the sub-division.

The lac industry was no doubt stimulated in this district by the increasing demand that arose for the article in the London and United States markets in the years 1873, 1874 and 1875, the consumption of lac having been nearly doubled between 1870 and 1876. The price of lac was at its greatest height in 1873-74, since when it has declined again; the impetus given to the industry by the high prices having resulted in producing more lac than there was a demand for, the surplus stock in 1876 being more than a whole year's demand. This was partly caused by the manufacturers adulterating the lac with common American resin in order to keep pace with the demand. Before the production of lac increased, this adulteration is said to have been carried on until it reached from 50 to 70 per cent. The fall in prices that took place after the increased demand had stimulated the production into overstocking the market is no doubt the cause of a falling off in the cultivation reported from Godda and Pakour; but with a steady trade both production and consumption will increase, and sheady this year prices are again improving.

Throughout this district, with the exception of Pakour, lac has hitherto been cultivated

Throughout this district, with the exception of Pakour, lac has hitherto been cultivated only on the palash (Buteu frondosa), Santali murn. It is said, however, that it spreads itself

to other trees in the neighbourhood of the palash groves.

In Pakour it is said that the cultivation is principally carried on on the native plum tree

or bair (Ziziphus jujuba,) Santali jumun.

In the neighbouring district of Beerbhoom it appears to be principally cultivated on the pipal (Ficus religiosa). Santali hesa, a common enough tree here, but the lne is of inferior quality to that produced on the palach, which is a more plentiful tree than the pipal, and one of the characteristic trees of the Sonthal Pergunnahs. It may be known to some as the "flame tree" from its musses of bright reddish orange flowers.

This tree appears to rise spontaneously from the ground, and is now being extensively preserved, so that the district is ready to meet almost any demand that could arise for the

The best lac is, however, said to be that produced on the kusum (Schleichera trijnga,) Santali baru, on which it is, I believe, largely cultivated in Chota Nagpore. This tree is also common enough here, but I understand that the insent producing lot upon it is not the same that we have here. Our insect varies between red and yellow, whereas the kusum insect, or, as it is called, naguli, is solely red.

The kusum crop of lac appears also to be later than that from palash or being, from middle of May to July, and middle of October to January; whereas the palash and thir crop is from middle of March to May, and middle of August to October. The lac from palash is only very little inferior to the kusum lac, and at the same time it produces the deepest dye.

The seasons for setting and gathering the lac appear to be the same throughout the

district.

There are two crops, the first in Cheyt and Bysakh, corresponding with middle of March to May; the second Bhadro to Assin, corresponding with middle of August to October. These crops, however, go by the name of Joyth and Kartick, those being the mouths when the crop is in the local market.

Lac is cut before the larve swarm, the colouring matter being a portion of the female insect's body. Most of the colour would be lost if the insects were allowed to leave the cell before cutting; some portion of the lac would also be lost by their breaking through the

covering of the cell.

The crop of Cheyl-Bysakh yields the most and best lac, whereas the crop of Bhadro-Assin contains a greater proportion of colouring matter.

The manner of setting the insect for the next crop is simply to save a few well-covered twigs, or a branch of the tree when cutting the crop, so that the new shoots thrown out by the tree being pruned down in the removal of the crop may be covered by the insect when it swarms, which for the Jeyth crop is in Kartick, and for the Kartick crop in Jeyth, corresponding with middle of October to November, and middle of May to June.

· To set the insect in a new grove of trees a branch of healthy lac containing the larvae

is tied in each tree.

After the larvæ have swarmed the branches that were left or tied on the trees are out and the lac sold; this lac goes by the name of Plinki.

The mode of preparing the crop for the market is primitive in the extreme, and must result in considerable loss of material, especially of the colouring matter. Where the incrustation has formed on thick wood, it is scraped off with the reaping-hook or some other such rough instrument; where it has formed on thin wood, the parts wholly covered are left intact; where it is only partially covered, the uncovered portions of wood are roughly cut off, so that a large amount of wood or stick is sold with the lac, hence no doubt its name of "sticklac." The cultivation of lac, as before stated, was formerly confined to the Paharias, with whom the zemindars made their own agreement as to rent to be paid for the trees. At the recent Sonthali settlement the rent per tree was fixed at two pice, that is, Rs, 3-2 per hundred; in many villages the groves of palash now contain several hundreds of trees,

It may be said that all castes have now taken to producing lac, of which the most numerous are Paharias, Sonthals, Bhuyas, Khetoris, Goalas, Bauris, and a sub-division of the Kadar caste in Godda called Leas. Several persons generally combine to work a lac garden, as watch has to be kept, lac thefts being not uncommon.

The growers generally sell to the village mahajun or shop-keepers: sometimes taking. advances on the crop; sometimes exchanging the produce for salt, tobacco, and such like; and sometimes being paid in cash. Although the crop is no doubt a very paying one, the growers generally do not seem to improve their condition basit. To this there are some notable exceptions amongst the better castes. The growers are said to have obtained only Rs. 3 to Rs. 4 per maund for lee some few years ago. It then ran up suddenly to Rs. 27, Rs. 28, and even Rs. 30 near the railway; and then fell again to Rs. 12 and Rs. 13, and Rs. 8 and Rs. 9 per maund for last season's crop.

The village shop-keepers, who purchase from the grower, make a profit of from 10 to 20

per cent.

As Calcutta is the place of export for lac, a great saving might be made if stick-lac were taken direct from this district and worked up there, instead of its being taken to Mirzapore, a place about 350 to 400 miles from this, and then conveyed all the way back to Calcutta, about 500 miles.

I have said nothing on the manufacture of lso, as it is not manufactured in this district: a very good article on this subject for Chota Nagpore is to be found at page 106, No. 6, Vol. 11 of the Statistical Reporter for November 1876.

Rainfall, Weather, and State and Prospects of the Orops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts, of Bengal, as reported to Government during the week ending the 7th January 1882.

	3	No1	. District, c	and dat	e of	Rainfall at Sudder Stationic Juckes.	Character of the weather, state and prospects of the crops, and	
	-					1 7		
	BE	NGA:	Lot 1				<i>y</i> :	
	*		Western	Distric	efe.		6 y %	
h		Philips (+3	Burdwan.	Jan	7 '8	Nil	Weather-warmer, a little rain has fallen. Sugarcane and redder crops	a daine
			DECOMING.	94.0	(4		e well. Harvesting of winter paddy nearly over; out urn good. Rice soll 21 to 32 seem per rupee. Favor prevalent, Cholera less in the town, reported from new places in the interior.	la from
	DITS.	3	Sankoury,	F 4	7 "	Nil	Weather seasonably cold; cloudy on Thursday (5th). Throwhing of assertion all over the district. New rice has found its way to the market.	ustard.
							cotton, wheat, barley, surguja, and sugarcane are being artificially irrigate the prespect is tavourable. Fever abating, and general health incroving.	
	BURDWAN	8	Bearbhoom,	0.0	7 ,	0:08	Amus rice harvest is nearly finished, with a good outturn. State and proof winter cause good. I ablic health fair,	ospects
	5	4	Midnapore,	ь	7	Nil	Weather-seasonable, Prospects favourable, Harvesting of paddy nearly &	nished.
	2		Hooghis,		7	0.03	Prices of tood-grains low. Fever somewhat abated. Weather—heavy and cloudy; now cool. Harvesting of ames crop nearly	v cons-
		6	trooknia'	Ð	·		pleted Prospects of winter crops very attisfactory Public health good	l
	1		Howrsh, Mohesbre	ek n	9 ,,	Nil 0:20	Weather—cool and seasonable. Aman hervest nearly complete. Public generally good.	health
			Central .	Distric	te.			
	. (6	24-Pargunnah	as, Jan.	9 182	0.62	Weather - seasonable. Harvesting of omes is rapidly going on. Odd-we crops are promising well. Fever and cholera are abating. The latteristic cuised, except in the Diamond Harbour sub-division.	eather er has
	DIVE.	7	Nudden,	94	70 6	Nil	Wenther - warm in the early part of the week; a few drops of rain fell on the	he 6th.
	6	1	Kooshtes Meherpor		**	0.05	Winter crops fair, but in want of rain. Fever still prevalent, though son the decrease. Several cases of cholera reported.	lightly
	PRESTORYCY		Chobadan		B	0.04	·	
	6	8	James e Jimpida	**	A 27	0:04	Weather-sensonable. Foggy towards the and of the week, with a slight of rain. Amen still being hervested; outturn good. Prospects of	winter
	M		Mugoora	, .		0.14	crops fair. (Jeneral health improving in Jhouida and Bagichat, but also	owhere
	-		Namii Khuma			0.90	the same as het week.	
		9	Mooratedaba		 	Drito Nil	TWO allows and W. C. T. L. A. 1997 the same analysis and become	D
							Weather—cool. Late rice harvest still going on; outturn not yet known, pects of rubbes crops good. A shower of rain is now wanted. Fever in a mild form. Cholera reported from some places.	lingers
	BES	10	Dissgepore. Rajshanya-	Jan.	6 '8	Nil Kil	Weather-seasonable. Prospects of rubbee crops good. Weather-seasonable. Heavy for on 6th. Prospects of crops good.	Fever
	DIVIN				ilia 1		reported from all parts of district, and a few cases of cholers from two questions. Price of rice unchanged.	r three
	EBAR		Rangpora,	-6"	,,	Nil	Weather -seasonably cold and somewhat cloudy. Harvesting of paddy over. Prospects of all other crops good, excepting pulses which require a	rain.
	A	13	Bognit,	. "	7 ,,	Nil	Weather - seasonable. Winter rice harvest nearly flushed. Sugarcane, 47, and mustard ready for cutting, and in some places being cut; plough khorachi, kaon, and summer rice beginning. Public health generally for	ing for
	3	114	Palma.		7	Nil	there is some fever, and a little cholers is reported. Weather—cool, cloudy, and loggy. The prospects of sugarcane, mustar	
	HAND COOCH	1	C Carron.	,,	f as	1	bens are favourable. Wheat, barley, and cheese are being sown. F Dulye is abating. Cholera is spreading in different parts of the d	ever in
	RAIBBABYE	15	Darjesing,	,	7	0.15	At Serajguage public health E fair. Weather—cloudy and cold. Prospects of crops good. Harvesting of crops in Term continuing with an average outtain. Public health good the	
	ATB	16	Jampigores.	1.	7	Nil	ont the district, Weather-seasonable. Amas harvest nearly over. Tobacco and cold-s	voithee
	pd		Comb Sabat		в.,	1981	crops goneralty promising.	
4		`	Cyark Behar	11	D 30	Nit	Weather—very cold; cloudy towards end of week. Prospects of cold-weather fair. Cutting of late rice not yet unished. Fields being prepared for calling at Rs. 1-10. Public health good.	
			Eustern .	Distri	cta		**	
	W.N.	17	Duces,	Jan.	7 181	.3	Weather—seasonable. Rain on 5th, Harvesting of amus crop nearly com- yield average. Sugarcane being out; outturn expected to be average, peets of winter crops promising.	
	ñ	100	Binnes &					
	DACCA DEFN.	16	Puresdpora,		4+	\$	Report not received.	
	P.	19	Backergunge, Mymeningh,		6	0 10 Nil	Weather—cloudy, with some wind from south-west. Prospects of crops get good. Labour scarce in parts. Weather—cloudy and threatening rain. State and prospects of crops good.	1.00
						1		

No.	Pipbriet, re	and de	te o		Hainfall at Sudder Stationin inches.	
SENG	Al. —{conclude	nit.)			p4.	
	tern Districts-		and at	1.1		
		(15 1 1 1 1 1 1 1	Bernero	,		7
1	21 Chittagong					Report not received.
5	22 Noakholiy,	Can.	. [.	100	11 .,	Whether—cloudy, with drizzling rain. On an average 15 ornas of the am rice have been harvested. Outsurn good. Cold weather crops progressi satisfactority.
DEOLINATION OF	3 Tipperae, Bratano Chanap		- 6		0°17 1°28 (Pois	Weather—unnauntly cold and exacty. Rain will do much good to win 'crops. Cholera is reported from arest parts of the district, but has not assum epidemic form.
2	Chitteron I		В	44	0.94	Weather -very cold and cloudy throughout the day during the week. Harve ing of paddy in the plains is still going on. Gathering of cotton is over one Mustard corp is in full flower and some are bearing seed. The prospection of good, and the recent ranging improved it.
	Hill Tippen	sb, "	4	31	Nil	Weather—seasonable. Gathering of amon finished; patturn fair. Sulfator still being out. Prospects of winter crops favourable. Public health good.
FKH/	ik.					
, 2	5 pPatten.	Jan.	7	63	Nit	Wenther-seasonable. Harvesting of paddy going on. Prospects of rele
2	6 Gya,	4-	7			favourable. Public health good: Weather-wool Paddy is yet being harvested. Prospect of rubbec satisfacto
2			7	į.		but a shower of rain will do it much good. Fover generally abating. Westler -cold. with western breeze. Havesting of winter-rice is non- completed; the outture in threshing is disappointing. Rubbee crop wa
/ 2	B Durbhunga.	**	7	ы	831	rein. Wenther - sool. Rice harvest nearly over; autturn good. Rubbee prospects go
, 2	9 MozuBerpon	e ,.	7	P 1	Xil	Prices falling: Health fair. Weather—cold. Rubben prespects continue good, but a shower of rain we
3	Baron.	11	7	н	Mil	improve them. Weather—bright and cold. Harvesting of winter rice has commenced ever where. Prospect of rabbes and poppy crops good. Fever abased, Gene
1 3	1 Chumpson,	.,	7	n	Nit	health good. Weather—fine, cool. Prospects of crops continue good. Fever abating.
. _y 3	2 Monghyr,	Jus.	7	'82	Nil	Weather -cold and sessonable. Cutting of winter rice going on, Prospects
3	S Bougaloure.	+=	7	to .	Nil	Wenther-cool and seasonable. Bico parvest hearly finished, Cold-weatly
1 8	4 Purnosh,	11-	7	f9	Nil	crops still promising well. General health good. Wonthor—sensonable. Yield of aghani rue tair. Ruin rather nanted for redde
12	Muldah,		7	n	Nn	Health slightly better. Weather—summable, colder than heretofore, and occasionally cloudy. Reapi of winter rice going on. Kulat ripening; other rabbee trops, doing well. Pri-
3	Southal Perg	to. a	7	Ta	Nil	of food-grains cliesp and stationary. General hostili good. Weather—cold and clear. Resping of rice going on.
K EMS	A.					
	7 Custack,	Jan.	6	182	0.24	Weather—cloudy and hot. Rosping of rubbee in progress. Itsin is had mango crop. Common rice sells at 30 scors per rupes. Cholers still report from Jajpore sub-division.
3	S Footos.	93	G	l,	0:45	Weather—cloudy and drizzling. Sarad rice is, being harves ed in many plac Lagdic rice is also harvested. Sugarcans being aroshed. Miscellanous or going on well. Common rice sells at from 27 to 40 Calcutts score per rup Fover prevails and small-pox reported. Cattle-disease still prevails.
7	Halasore,		6	94	0.44	Weather—One till Thursday (5th), when there was a heavy thower and cloustill gathering. Rice harvest approaching conclusion throughout distribution progressing. There is small-por about, due thirdly to inequiate Public health otherwise good.
LASSE	MAGRADA	1				
	SAGPORK. South-Wes		tier			
66			6	83	0.04	Wouther-seasonable; slightly warmer than last week. Prospects of rubbes are
di	1	, a	7	03		fair. Prices same as last week. General health good. Weather—hot and cloudy till 7th. Rubbes in Palamow waste min. Pric
dd			6			steady. Weather-very warm during the week. Blight rain on 6th. No paddy on t
41		PI	PT	"		ground. Cald-weather crops are doing well Weather—seasonable; rather watur brate of standing copps good. Geog- health good. Cathe-pox provailing in some places. Fever at Begunkndar a declining state.

Published for general information.

CALCUTTA, STATUTICAL DEPT.,

The 10th January 1882.

COLMAN MACAULAY

Offy. Secy. to the Govl. of Bengal.

Offy. Secy. to the Gost.of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

	•	10001				BTOCKS	CES IN HAND AS	IN HAND AS COMPLEED ON-			•			
Table	Maxre.	let work of Jan. 1881.	let work of Feb. 1881.	of Mar. 1591.	lat week of April 1881.	2		of July 1831.	1st week of Auge 1891.		and week of Oct. 1881.	1st arek of Nov. 1581.	Int werk of the 1881.	781 Cark of Jan, 1892
1,00,000 1,00,000		Nda		Mar.	Mda,	E da,	Mds.	Mds.	Mds.	Mds.	Mds.	M da.	Meda	Hut
1,400 1,10	Ť		4,13,008	\$5,92,030	3,90,000	\$,98,500		3,78,400	2,19,300	9,83,600	8,16,018	2,44,000	2,61,600	\$,942,000
1,000 1,00				68,956 1	ų.	88,750	57.400	605,500	005'10	59,200	41,500	• 61,404	41,200	45, 549
1,10,00 1,10	Chitpate, Golshares, Coomer- Coop, Batkhola, and Cupy Ghat.		8,61,760	p.82,300		6,67,300	0,40,700	6,18,700	008'62'9	6,15,15	5,45,400	7,46,300	7,54,000	7,80,804
1,10,100 1,10,100	Posts		34,506	900'00	37,340	97,000	83,000	0.55.00	28,500	24,000	600,00	24,700	24,000	F. 22
1,60 17 1,00 1,00 17 1,00 1,00 17 1,00 17 1,00 17 1,00 17 1,00 17 1,00	fellygunge, Cidlish, Ridgerpore, and Moonakhgunge.		1,18,200	1,89,100	1,26,360	1,20,500		1,12,300	1,32,008	1.52,990	1,23,900	. Ph. 80	- 83,300	De, 848
### 1,00,073	1 Migor Benari (entimaged)		3,40,400	2,50,000	\$,40,000	2,47,608	2,40,660	2,49,080	\$40,00	\$2,40,1900	2,70,800	2,4,000	8, 40,00m	2,40,804
1,00,024 77,800 57,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 18,75,800 17,75,800	retail abopt, \$,150 ber (estimmed).	2,56,00C	0.04,00.0	2,60,000	\$,50,000	\$,50,000	2,56,000	2,50,000	\$,50.000	2,54,048	2,30,000	2,50,600	25,6,000	2,80,000
17,25,476	Numbership, Newsbrupes, Buttofreece, and Chauder-		77, ±10	129'25	99,200	60.453	32,119			83,400	63,156	002,23		**
1,000 1,00		17,31,676	17,55,140	17,90,427	18,75,910	18,55,473	17,49,519			17,07,500	18,20,756	16,98,500	16,16,761	17,65,545
1,00,000	Medical time river. Below of the river. By Port Com- Breate us-	7,566 (on 3rd Jan, 81.) 59,366 (let to and Jan, 81.)	for 34,710 feb, 34,7 (31st Jan. (c. 12, 12, 12, 12, 12, 12, 12, 12, 12, 12,	T.295 (on 3rd Mar. 94.) 54.35 (184 to 3rd Mar. 8l.)	April 401. April 40. April	Con acci May Mill Could (1st to Sed May St.)	(m) Srd June 8th 10,884 (b) Lotted June 8th	for Sth July Sth 20 Sth (30 Sth (30 Sth) (30 Sth) (40 Sth)	45,A65 (181 to 374) Aug. 51.)	1,375 rend 3nd Sept. 41 - 23,545 (13s to 3nd 889ft. 81.)	(an 15th Det. 2.) (37,105 (37,105 (37,105)	Roy Sth - Nov Sth - 15526 (tib to 66)	for srd Dec. AL.) (1st bi 1rd Dec. NI.)	(191 N. St.)
18,01,013 19,79,505 18,91,027 19,92,033 19,16,177 18,77,245 18,05,530 18,69,059 18,647,77 17,38,643 17,49,019 17,38,643 17,49,019 18,01,014,019 18,01,019 18,01,019 18,01,019 18,01,019 18,01,019 18,01,019 18,019 18,019 1	_	1,86,394 (1st to 3rd Jac. 51.)	(Sist Jan. to	1,37,059 (3xt to 3rd Mar. 61.)	transport (1st to the first to	Tet to sed	Styles (1st to 3rd Jane 20.)	ford to alth	53,513 (1903e-3rd Aux, 31.)	60578 (19110 Mil. Equ. 51.)	49,631 (18th to 15th Oct. 24.)	35,544 (61) to 645 Nov. 34.)	28,084 (181 to 3nd Dec. 3L)	[151 to Std.]
Se baktis. W baktis. Te baktis. Te laktis. Te laktis. Te laktis. Te laktis. Te laktis. Tektis.	Grand Total of Mooks	18,01,915	12,79,805	18,91,027	SEC. 20, 21	19,16,177	18,71,545	18,06,530	18,60,089	19,64773	17,55,645	010/69/21	10,78,236	13,49,687
	obable stocks available for attochation by sen.	Si takhs.	W lakles.	94 Zakhas.	the labits.	of laking.	of linking.	7) lakbs.	R lakhs.	74 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	7 A K D M			o New

STATISTICAL DEPARTMENT, The 6th January 1882. .

RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

QUANTITIES PER RUPER BY

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In the sub-divisions price of common rice varies from 22½ to 30 seems per rupse.

A la the interior prices range as follow re-Wheat 13 seems, barley 35 to 40 seems, best rice 21 to 24 seems, common rice 27 to 53 seems, grad M, at 26½ seems, tirewood 120 seems, and salt-by, to 10 seems.

B In the interior prices range as follow re-Wheat 12 to 15 seems, barley 12 to 36 seems, heat rice 21 to 32 seems, common rice 25 to 35 seems, common rice 25 to 35 seems, and salt-by to 12 seems.

C In the interior prices range as follow re-Wheat 13 to 15 seems, best rice 21 to 36 seems, common rice 25 to 35 seems, gram 16 to 27½ seems.

D the interior prices range as follow re-Wheat 13 to 15 seems, best rice 19 to 28 seems, common rice 25 to 35 seems, gram 16 to 27½ seems.

D) has the interior prices and salt-by and all by the 12 to 19 seems, barley 18½ to 82 seems, best rice 10 to 24 seems, common rice 25 to 36 seems, gram 16 to 22½ seems.

D) has the interior prices force as follow re-Wheat 12 to 19 seems, barley 18½ to 82 seems, best rice 10 to 24 seems, common rice 25 to 30 seems, gram 20 to 25 seems, means at 80 to 251 seems, and salt-9 to 10 seems, best rice 62 to 32 seems, common rice 26 to 33 seems, gram 20 to 25 seems, means at 80 to 251 seems, bush rice 3 to 30 seems, means at 80 to 251 seems.

B In the interior prices takens as follow re-Wheat 13 to 10 seems, bush rice 3 to 30 seems, common rice 26 to 32 stota, gram 3 to 16 seems, freedood.

B In the interior prices takens as follow re-Wheat 13 to 21 seems, bush rice 3 to 30 seems, common rice 27 to 30 seems, gram 21 to 31 seems, freedood.

B In the interior prices takens as follow re-Wheat 14 to 18 seems, bush rice 3 to 32 seems, best rice 15 to 33 stota, gram 3 to 16 seems, and salt 9 to 95 seems.

B In the interior prices takens as follow re-Wheat 14 to 18 seems, bush rice 3 to 30 seems, bush rice 27 to 30 seems, gram 21 to 31 seems, directly follows.

B In the interior prices takens as follows.

B In the interior prices takens as follows.

B In the interior price

A DER-BODIED A GRECOLTURAL LABOURER.

AVERAGE WAGES PER MONTH.

ENSPUR

COMMON MARON,

CARPESTER, ON BLACKSMITH.

DISTRICTS.

districts of Bengal for the Fortnight ending 31st December 1881.

WHOLESALE PRICES PER MAUND OF 40 BREERS.

SALT.

BALT.

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		Present refurz		North preseding	Corresponding	, of last year.	•	Prosent return	,			Next preceding		Colresponding office year.		Present return.		Next preceding	Corremondine	of last year.		Manyar Tragger	Next praceding		of last years	Promet return.	North	Sulbooald alast	Corresponding of last year,	•
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H In Reignings prices are—Wheat 19 seers, Best rice 32% sears, common rice 40 seers, gram 15 seers, firewood 31 manuals, and sait 8 seers.

In Nation prices are—Wheat 30 seers, best rice 12 seers, common rice 20% reers, gram 10% seers, irewood 3 manuals, and sait 9 seers.

In the interior prices range as follow:—Wheat 16 to 10% seers, barley (in Ragdogra) 1rg seers, best rice 18 to 24 seers, common rice 20 to 25 seers, gram 12 to 12% seers, firewood 80 to 10% seers, and sait 8 to 34 seers, common rice 20 to 25

K in Seranguage prices are—Wheat 24 seers, best rice 10% seers, leaser addicts 15 seers, gram 17% seers, and sait 9 seers,

L in Kurseng prices are—Heat rice 5 seers, common rice 15 seers, leaser addicts 15 seers, manue or Indian-sort 16 seers, gram 10 mars, firewood

M in the interior prices range as follow:—Rest rice 10 to 16 seers, common rice 137% to 20 feers, gram 3 to 187% seers, firewood 65 to 80 seers,

In the interior prices range as follow:—Wheat in Jaffergange) 20 seers, barley (in Jaffergange) 40 seers, best rice 16 to 29 cers, common rice 25 to 30 seers, gram 25 to 30 seers, firewood 60 to 120 seers, barley (in Coalundo) 80 seers, best rice 16 to 29 mars, common rice 25 to 30 seers, prace 25 to 30 seers, firewood 80 to 120 seers, barley (in Coalundo) 80 seers, best rice 30 to 20 seers, common rice 25 to 30 seers, firewood 60 to 200 seers, and sait 8 to 10 seers, best rice 30 to 20 seers, common rice 25 to 30 seers, firewood 60 to 200 seers, and sait 8 to 50 seers, firewood 60 to 200 seers, and sait 8 to 50 seers, firewood 60 to 200 seers, and sait 8 to 50 seers, firewood 60 to 200 seers, and sait 8 to 50 seers, firewood 60 to 200 seers, and sait 8 to 50 seers, firewood 60 to 200 seers, and sait 8 to 50 seers, firewood 60 to 200 seers, and sait 8 to 50 seers, firewood 60 to 200 seers, and sait 8 to 50 seers, firewood 60 to 200 seers, and sait 8 to 50 seers, firewood 60 to 200 seers, and sait 8 to 50 seers, firewood 60 to 200 seers, and sait 8 to 50 seers, firewood 60 to 200 seers, and sait 8

RETAIL PRICES-CURRENT of Food-grains, Fineshood, and Salt in the

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the number of common rice gavies from 26% to 3 12 mers a per rupes.

I with one ment a day, but 2-5 to Ra 2.11; with two ments a day, Ru 1-3 to Ra 1-8.

In the interior prices range as follows—Heat rice 18 to 12 mers, common rice 25 to 31 means. Brewood (to Cox's Barnar) 316 mers, and a 3 to 9 mers.

In the interior prices range as follows—Heat rice 18 to 12 mers, common rice 24 to 40 mers, and wall 7 to 10 mers.

In the interior prices range as follows—Wheat 16% to 18 mers. In they save incident to 11 to 10 mers, common rice 17 to 25 ments have been found to 10 mers, common rice 17 to 25 ments have been found to 10 mers, formers of the interior prices range as follows—Wheat 18 mers, two years, lead rice 12 to 25 ments, common rice 25 to 30 mers, leader multiple for the interior prices range as follows—Wheat 18% to 25 ments, having 35 to 70 mers, but the 15 to 56 mers, common rice 25 to 37 mers leader multes for to 75 mers, make or lichar corn to 18% to 25 ments, having 35 to 70 mers, but the 15 to 56 mers, and all 8 to 10 mers, leader multes for to 75 mers, make or lichar corn to 16 to 18 mers, grant 28 to 46 mers, inversed 2 to 3 ments, and all 8 to 10 ments, and all 8 to 10 ments, and all 8 to 10 mers, leader multes for to 70 mers, make or lichar corn to 15 to 18 mers, make not 12 to 25 mers, and all 8 to 10 mers, leader, inversed 2 to 3 mers, and all 8 to 10 mers, leader, inversed 2 to 3 mers, and all 8 to 10 mers, leaders, inversed 2 to 20 mers, and all 8 to 10 mers, leaders, inversed 2 to 20 mers, and all 8 to 10 mers, leaders, inversed 2 to 20 mers, and all 8 to 10 mers, leaders, inversed 2 to 20 mers, and all 8 to 10 mers, leaders, inversed 2 to 20 mers, and all 8 to 10 mers, leaders, inversed 2 to 20 mers, and all 8 to 10 mers, leaders, inversed 2 to 20 mers, and all 8 to 10 mers, leaders, inversed 2 to 20 mers, and all 8 to 10 mers, leaders, inversed 2 to 20 mers, and all 8 to 10 mers, leaders, inversed 2 to 20 mers, and all 8 to 10 mers, leaders, inversed 2 to 20 mers, and 8 to 20 mers, and 8 to 20 m

AVERAGE WAGES PER MONTH

districts of Bengal for the Fortnight ending 31st December 1881.—(Concld.)

WHOLESALE PRICES PERMAUND

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In the interior prices range as follow:—Wheat 174 to 20 seers, barley 36 to 30 seers, best rice 12 to 20 seers, common rice 24 to 26 seers, prior 50 to 67 seers, nurses of follow:—Wheat 16 to 25 seers, barley 52 to 50 seers, gram 40 to 50 seers, firewood & a sunds, and safe 18 to 18 seers, maintenance of follow:—Wheat 16 to 25 seers, barley 52 to 50 seers, best rice 21 to 30; seers, common rice 32 to 36 seers, laster interior prices range as follow:—Wheat 18 to 16 seers, bash rice 16 to 26 seers, orminan rice 38 to 35 seers, gram 12 to 25 seers, firewood 6 intuities, and safe 8 seers, and safe 8 seers, best rice 26 seers, bash rice 16 to 26 seers, orminan rice 38 to 35 seers, gram 12 to 25 seers, firewood 186 seers, and safe 18 seers, best rice 26 seers, mains or Indian-corn 55 seers, gram 26 seers, firewood 186 seers, unamens, one safe as follow:—Wheat 18 seers, best rice 27%, sears, gram 21 seers, firewood 190 seers, and safe 10 seers, incommon rice 27%, sears, gram 21 seers, firewood 190 seers, and safe 10 seers, mobile (in Palamow) 15 seers, common rice 27% seers, common rice 27 seers, common rice 37 seers, common rice 37 seers, mobile (in Palamow) 15 seers, large as follow:—Wheat 22 to 27 seers, bash rice 20 35 to 28 seers, common rice 33 to 30 seers, mobile (in Palamow) 15 seers, large as follow:—Wheat 12 to 16 seers, large as follow:—Wheat 12 to 16 seers, bash rice 26 to 32 seers, common rice 36 to 30 seers, and safe 7.76 to 68 seers.

23 In the interior process range as follow:—Wheat 12 to 16 seers, bash rice 26 to 32 seers, common rice 36 to 30 seers, mains or landam-common rice 36 to 30 seers, mains or landam-common rice 36 to 30 seers, mains or landam-common rice 36 to 30 seers, firewood 6 to 20 manuals, and safe 8 to 10 seers.

WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt in

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Carcura, The 10th January 1882.

the undermentioned Marts of Bengal for the Fortnight ending 31st December 1881. .

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Published for general information.

COLMAN MACAULAY, Offy. Socy. to the Goot, of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from let to 7th January 1682.

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Month.	Duth.	Marifestal in cen.	Hear presente berome at 40° Pakr.	Meab.	Mitraum.	Houge.	Visional	Mean wat built	Whoth lenies.	Dem point.	Beardity.	Perralkan Struction.	Miles pacerded.	Rain.	Whatepp. "
1,000.		9	Luchus		0	е:	Θ,	e	Inches	Θ	1/4	** 12	, i	Enobus	- 7
Jan.	lat	131.2	39'094	68:3	76·8	19:8	678	59.9	0.421	661	74	Colon, N had NE by H	68	Nil	Chiefly d clear
l'a	2nd	131.6	1000	64%	378	23.4	58.8	58'9	-स्था	56-8	74	Copies into N . I	86		Okray, ===, ==.
	3rd	189-9	400	94:7	77,3	2816	53-A	59.3	*438	86.8	74	Wiley II and Miley B	-47	JP Brt	Clear, Ser, D.
μ.	4th	1364	29 979	67:1	\$0.2	38.1	66 '0	830	1530	60 f	80	110 100 100		2h .	Chiefly clear,
10	5th	187-7	1948	70-8	80'6	28 0	57:0 ³	8816	'675	d7°5	80	1 man		0:19	Partially cloudy,
ph.	Oth	1788	1967	2017	טי87	12.2	65:7	688	594	68-8	80		1	\$01 12.5	Merning cloudy, day and night
gs (7th	129 9	80.080	617	Ta B	17*	ingrass .	66'8	13391.	48'3	66	b		51	Clear, a,g,d, A.
			r									1 401	4		'

	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	947	Inches.
	The mean pressure of the seven days		30.025
	The average pressure of the corresponding period for 24 years, S. G. Office		30 024
	La Company of the Com		0
	The mean temperature of the seven days		66.7
	The average temperature of the corresponding period for 24 years, S. G. Office	7000	67.4
	The extreme variation of temperature during the seven days.		.26-8
	The maximum temperature during the seven days		80.6
			Miles.
	The highest velocity of the wind in one hour during the seven days		<u></u>
			th.
	The highest pressure of the wind on one square foot during the seven days	See	Not measureable.
	The same of the sa		%
	The mean relative humidity, during the seven days	- 97	. 75
	The average relative humidity of the corresponding period for 24 years, S. G. Office	1	71
		40	Jadha.
	The total fall of rain from let to 7th January 1882		0.13
	The average fall of the corresponding period for 24 years, 8, G. Office		0.04
	M1 1 Call days 1	+ 1/6	0.18
	The average fall of the corresponding period for 24 years, S. G. Office		
	The mean pressure, temperature, &c., are deduced from the traces of the Barograph	41.	0.04
Б	from observations made at 6h., 10h., 16h., and 22h.	S SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF	* maximolia be
Table 1	The state of the s		

The maximum and minimum temperatures are obtained from self-registering thermometers. All till thermometers are verified, and the readings have been corrected to a standard constructed and verified. at the Kew Observatory. They are exposed under a thatched shed open at the sides, and the impended four

feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and ussed on Reguault's modifications of August's formula.

The direction of the movement of the wind are taken from the trace of a Beckiey's anomograph.

The month of the rain-gauge is one foot above the ground.

fog, cdew, o overcent, g gloomy, d drizzling rain, p passing temporary showers.

N.B.—The Anemometer being under repair the directions and velocity from 4th to 7th are not given.

· METHOROLOGICAL OFFICE, INGIA, The 9th January 1882.

ALEXANDER PROPER, For Offg, Meteorological Reporter to the Covernment of India. Abstract of the results of Meteorological Observations taken at the Alipore

Observatory in the mouth of December 1881.

						- 1
			Inches.	Date.	Steer.	
	The demand of the month		90.010			
	The mean pressure of the month	100	30.019			
	The average pressure of 24 years		80-027	01.A	106	
	The highest pressure during the month		30-168	Slat.	10h.	
	The lowest pressure during the month		29.859	2nd	16h.	
	The range of pressure during the month	44.1	0.304			
			0			
	The mean temperature during the month	V	64.2	J.		
	The average temperature of 24 years	440	69:0	PT.		
	The highest temperature during-the month	6.00 6.00	29.7	1 st		
	The lowest temperature during the month	***	48.3	17th		
	The manual of town Streams designed the month.	141	31.4	A F GLA		
	The mean daily range of temperature during the month	v 6.4	22.9			
	The greatest range of temperature in one day during	the	VN 50		*	
	- month	- the	27.1	20th		
	The state of the s	11.2	- T			
			Per cent.			
	The mean bumidity during the month		71	E.		1
	The average bumidity of 24 years	ned .	71			
			Luchan.			
	mi - was a series desired to the series desi				b	
á	The mean vapour tension during the mouth	19.64	0.419			
	The average vapour tension of 9 years		0:476			
	The mean cloud proportion of the mouth	104	1:03	200		
	The total rainfall of the month	16	v 0-36			
	The total rainfall of the month indicated by a Beckley's		0.00	7	t.e.	
	registering rain-gauge (mouth of the gauge 50.5 feet hi	rkp.)	0.25		7.	
	The average fall of 48 years	*11	0.23			
	The greatest fall in 24 hours	2000	· 0.27	29th		
			Days, w			
	The number of rainy days in the month at	141	2			
	The average number of rainy days of 24 years		1			
			Α			
	- 1 100 c c c c c c c c c c c c c c c c c	. 4	2			
	The mean maximum equilibrium temperature of solar radia	ation				
	of the month	* 6.1	130.2			
	The mean difference of ann and air temperatures	t.	58.5			
	The greatest sun temperature		137-9	4th		
	The greatest excess of sun over air temperature	444	61:1	18th		
,	The mean temperature of nocturnal radiation thermom	neter .		4		
	on woodlen cloth		48.7			
	The mean depression of nocturnal radiation thermon	neter"				
	below the minimum of air	161	10.2	-103	# S	
	The greatest depression of nocturnal radiation thermom	neter		BP4	2	
	below the minimum of air	164	14:8	14th	I.	
			Miles			
	The mean movement of the wind per day		48.7		1	
	The market amount of the mind in our den	449	70-0	12th		-
	The greatest movement of the wind in one hour		-15:0		en to 1 P.m	
	7	11.0	100	1 mm (20)	M W 1 F.	i.e
	The number of hours under each of the 8 points		1		6	
	ST COO STD 40 TO C CTD C C CTT A THE ST	24 24 22	D. St. St. Laws	13	2	1

The results of observations at the Alipore Observatory and not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore 003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 26° lower; and finally, the thermorecter, which has furnished the record of temperature at the Surveyor-Ecneral's Office during the last 20 years and upwards, is found to read 0.6 higher than the Kew standard thermometer; which is the standard of reference at the present Observatory.

N. 232, NE. 46, E. 8, SE. O, S. 0, SW. 0, W. 11; NW. 51, Calm 401.

· ALSXANDER PROLER,

Mpreorotogical Office, India, The 9th January 1882. For Offg. Méteorological Reporter to the Goot, of India.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 1st to 7th January 1882.

						1		Тимуло	LAFORE.		1	Teroxet	M.Y.	
1	Mot	usu.		14	1	1					ion.			
	,					i		M E			r term	1	The same	
			-{		Date		2 m	Marin I		Mithin .	Vapon	a a	A manidi	1 4
	i l	163		,		,		a	0	feet fr	Inches.	o'	: %	Inches.
January	4 ,1		***	e) h	131.		61)-A	78'6	2012	18:4"	0-886	47 to	70	
**	117		***	14.6	1 -12	++h	6716	78-8 79-6	1217	B 93 4	4666	8.99	66	
-	*** B*	hir		46.1	5th	481	71.7	192 N	16.7	56.7	1603	68.8	69 66 76 67	0.10
lelp ma	115	41.	***	414	7th	111-	.78-0	79.8	10°0 10°7	89.1	.992	64'B 48'4	64	1

	perature of the s		1.7	444	" #==	(39-1
The extreme va	riation of tempe	erature during the	e seven da	ŤN	111	26.6
The maximum	temperature-dur	ing the seven day	8 see			82.8
100			22 50 9		1	P/a
The mean relati	ive humidity du	ring the seven day	yes :	2	-164	- 72
		'n	. 17	. 4	L.T.	Inches.
The total fall of	f rain from lat !	to 7th January 16	482			0.10

The mean temperature is obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

The means of the hygrometric elements tire the crude means of the values derived from the three readings of the instruments.

METEOROLOGICAL OPPICE, INDIA,

The 9th January 1882.

ALEXANDER PEDLER,

For Offg. Melecrological Reporter to the Goot, of India.

Report of Fluctuation of Traffic on the Eastern Bengal Railway for the four weeks ending 22nd October 1881.

Report on Goods Traffic for the four weeks ending 22nd October 1881.

RASTERN BESSAL RAILWAY COMPANY, TRAFFIC SUPERINTENDENT'S OPPIGE, SEALDAN TRESINUS.

No. W-20-32, dated Calcutta, the 16th December 1881.

From- W. JERES, Boy, Acting Tradic Superintendent, Sectors Behyal Bailway Company, To-The Agent, Eastern Bengal Railway Odnplay.

Prom the attached report of traffic for the four weeks ending the 22nd October lark, it will be seen that 14,81,365 maundar of goods were carried over this Railway during that period, and comparing this quantity with that carried during the corresponding period of last year, an increase of 5,36,638 maunda is shown.

Only perusal of the report it will be seen that this large increase is principally due to the heavy traffic in juta; gunny, salt, and miscellaneous goods.

1100	Act of					
Jute, in droms	A CONTRACTOR OF THE PARTY OF TH	411 mg	470	Mdu. 4	,93,856	
Do, in bales	100 171		2 393	r4 26	12,61\$	1000
This increase is due to bleady ma	erkat With good prices of	ering for export.	1"			3000
Gunny		***	***	Mda,	5,841	
There has been a fair demand, with	ough prices have not be	en no high.				
Bugar t	P1 1864	101 x11 /	144	Mde	8,844	
There has been a brisk-local deman	id, although fittle export	business has been don	O.			
Ten, Indian	and the same		and the	Milin.	8 784	
The market has been flem, and	the first sale after the be	olidayê belng held dayî	ng this period, la	rge convig	nmenta wet	does er
down to the sale.	13 1			0 17	,	
Miscellaneous goods	most _ std ff.	701 141	49-4	Mds. 1	1.74,134	
The large increases periodically re-	ported under this, bead at	ill continue, which is	accounted for	by the in	promied for	ell-tion
offered the public generally both seller	and buyers.	·n				
	1 1 1 1 1 1 1	4	, 1	1		5
7	, " 25an	enchent.		1.4		
and the same of th		AND ADDRESS OF THE PARTY OF THE	2 1			

	Despugest.			
	Grain, including rice	Mda.	79,636	
	There has been a full market with no demand for export, which accounts for this decrease.		1	
	Hides, bundles of the state of	. Mda.	2.747	
	There has been a very restricted business done, and their has been bill little demand.		CX.	
	Scotla	Mds	23,248	
7	This decrease is accounted for by the market being almost at a standarful. There have been	no exports	, and prices have	
QDI	iderably falled		` `	
	Tolucco	Mds.	10,410	
	Beyond what has been poschased for local consumption, as business has been done, full market as	d low pric	tee ranging.	

BASTERN BENGAL BAILWAY.

Statement showing Increases and Discreases in Maundage of Shaples corried over this Line for the four weeks ending 29nd October 1891, as bempared with that of the corresponding period of 1880.

	-		S	ph				
	Down	Down.	Up.	Up.	Total.	Total		
DESCRIPTION OF GOODS.							Increase.	Dangegen,
* 1	1880.	1881.	ARRO.	1891.	1880.	1001.		
Ala, beer, wine, do, 110			2002	1,6 4	2,003	1,618		888
Contract to the contract of	1,288	2,607	79	290	1,3604	3,097	1,727	100 24 5
			521	bb4 r4 t	691	12444	PM 191	891
Attended to the control of the contr	T,23,826	44,996	2.649	1,606	3,26,358	4-1,732	101.711	79,685
Garage was the of	4,890	11,166	1,607	883	6,307	19,048	5,841	I del year
The Author of	9,240	8,646	-01 100	doe so	9,240	8,646	have blid	594
TT: 1 I h I /	10,017	7,260	Test ett.	10	10,017	7,970	501 41	1,747
B 11 1	A32	Diff. I for	414119	*1***	83:1	abd rds	189	832
Take dayment	4,69,073	9,48,660		4,1987	6,59,079	9,69,097	4,98,954	******
Du. bales of the see the see	B:U,08	62,008	3.00	111 10	50,010	63,689	12,019	474 881
Pinns-greeds, at Rurdonia	97	76	19,928	10,464	20,005	19,530	991 951	495
Think - 100 In the st	. 99	meditors.	400.00	distant	99	514 Th4 .	49r (6.1	90
Builway meterials foreign "	all address	+D 914	337	es e siles	487	100.00	492	3/17
Mult are see the	y y ga tau	apl str	46,117	62, 118	46,117	62,410	6,293	* 1 5 5 5 5
Seeds	88,378	1, 9,270	1,769	1,378.	85,037	11,791	100-00	23,248
Bugar in the second	2,317	. 8,075	1,787	4,146	3,374	7,818	8,644	1115.6
Tee, "Buropeno" but	4 447		sal esy		y 191 ***	939.00	40-44-	040111
Do., "ludfau"	19,810	84,400	d. 114 thr	3	10,619	20,443	8,784	849-14
Tobacco, bundles of we are in the in-	29,104	18,615	a01	617	29,545	19,134	Serve	10,410
Dos, bales of the me in the		. 212.001	-lursh	900.000	466.171	Beaute		**1 ***
	2,614	1,380	400.000	55.1 .00	3.614	1.380	114.44	+ 1,298
Twist, "Buropoun" and in the	p. 10.44	*****	2,816	3,639	2,508	2,689	31	Jane 4
Dog "Indian" in in in	681	74		486	460	510	60	514-514
Minosilapaous	. 12,611	75,184	50,074	1,48,290	09,480	9,48,4.0	1974,134	
Total	7,69,132	12,23,050	1,36,185	8,69,8 0 0	6,95,817	14,61,955	7,07,471	1, 4,888
				49		9,95,917	1,90,533	1,000.11
		. 193			3	Alexandra 1		
	100	1		lac	20000 L.	6,86,686	8,86,004	654 1011

Weekly Return of Traffic Receipts on Indian Railways.

BAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 31st December 1881, on 1,5041 miles open.

						The second second			-	-
134	DOADHE	e That	16.		Ann Minneys	Other earnings	Total menings.	TRADEIC	Tabis-pila	H ROW.
٠	Number of Paparingers,	Couchi		Weight carried.		(potimated).	Total methods.	Cossifue.	Morchan- due. a	Total.
Total traffic for the week. Or per mile of rationar For previous Shi weeks of balf-	100.001 R949.171	Ra. 1,80,772 183	4. P. 8 9 6 H	Md1.0 20 91.04.10 20 910 6.01.05.810 10	0.83.063 0 3 0.83.063 0 3 0.83.06,558 0 0	1,40,650 U 0 200 4 0	20.74,116.22 8 716 0 10 2,14,30,836 2, 4	12,67,360	1,915,205	109,199
Total for 269 weeks	4,008,075	57,87.407	14 3	5,15,89,550 -0	1,01,87,900 18 8	5,60.200 2 1	2,25,10,000 1.5 7	12,00,000	1,934,779	4,534,60
COMPARISON					. 4	.30	· 6		-	
Potal for corresponding 6 days of previous year	116,195	2,1E.837	2 0	10,00,000 30	5,24,525 18, 0	10 10 5	8,95,460 9 90	43,674	* (9,780)	161,400
Inc period of brevious year	81111	165	7 8	41-141 5	393 12 3	60 0 3	595 6 0	414141	121 201	HINE.
Posal to corresponding date of	3,883,343	59,9 4 ,218	14 8	474,42,000 10	1,87,09,808 12 10	8,88,800 15 7	4,02,80,801 11 1	14,65,260	\$,668,8083	3,711,5kg

HASTERN BENGAL BALL VAY:
Approximate Baturn of Traffic for week ended 21th December 1881, on 1711, miles open.

2 1	Содона	e Thaypic.		PPIO.	Other ournirum		Total '	PRATH-MILE	s ava.
State of the last	Number of	Conchine receipts.	Welges offered.	Zaccipts.	(distinueboil).		Obsehing.	Merchan-	Tomi.
Total traffic for the well. Or per mile of rational For previous 25 weeks of ball-year	41.538 242 1,051,876)	Ba. a. 1. 29,882 6 9 178 1 11 7,61,256 0 0	Mds. n., 2,87,390 d 1 1,598 28- 2,77,285 0	R6.54. P. 955,500 U U 314 6 4 23,69,512 0 0	11,500 0 U 11,500 0 U 60 15 S 12,655 6 0	26,415 U a	1,62,519	7,973) 258,896)	13,034
Total for \$6 weeks	1,132,9006	7.90,847 9 0	78,34,885 6	24,24 865 0 0	24,145 70 44	82,30,856 0 Ø	1,000993.	tild, and	4.14,683
COMPARISON., Total by porresponding week of previous year.	49,876	Patigue e e	4,61,85 5 6	85,798 = 0	140 0 6	religno o di	407	6,871	M,ne
Per use of ratiway comespond- for week of previous year. A Total to duresponding date of previous year.	299 T	C.48,080 0	1,000 to	20595 5 10,5401 0 0	0 13 13 16,400 6 0	26.15.664 0 0	1,48,6674	233,656	18,71,741

Re. 280 included on percent carriage at revenue topics,

BENGAL PROVINCIAL BAILWAYS. Weekly Statement of Traffic Recognia.

Labort return	:11	Laugsh	the state of the s	When and ing	Torat RECEI	Pre Progeller	71.	Tatal	Perpentue
, received.	Nume of Backery.	open.		18th November 18th	To 27th Newschine 1886.	To south November	in Itali.	decrease in 4841.	ittoremae or den reass.
Soch disto	hanners	Miles. 270 82 57	R4. A. P. 30,741 v. 0 11,85; 0 0 8,605 0 0 4,886 0 0	Ra. A. P. 40,885 6 0 12,071 9 0 0 0 1,500 0 0 0 1,507 0 0	14.17.349 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Rs. 4, P. 15,4 (1992 0 0 5,97,815 0 0 4,58,593 0 0 1,38,593 0 0	1,60,143 0 0 65,329 0 0 21,052 0 0	Ba.	+11
`	Tomi	40.42	02,565 p 0	73,387, 0 0	# 0 sec,86,20	27,40,442 0 0	1,23,446 0 0	41111	+ 8 21



SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY. JANUARY 18, 1882.

OFFICIAL PAPERS.

Non-Subscribers to the Gazette may receive the Severagent severately on payment of Six per annual y delinered in Calcutta, or Twater Rupees if nont by Past.

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CAROB CULTIVATION.

Extract from a Report by the Juilor of the Hazaribagh Buropean Jail, dated September 1880.

On the 15th July 1878, I received three plants. They were from seeds sown in pote, and were transplanted when about four inches high, and I have noted their growth mace, which has been as follows:--

7) th	DATE	31		1			No. 1.	Tree	No. 1.	Tree	No. 3.
		D . 1			. !	Ft.	inch.	Ft.	ipch.	Ft.	inch
let July 1879	ALD WATER		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L.		1	4	1	3	1	1
Let October	d.	A CONTRACTOR OF THE PARTY OF TH	4 44	37.	175	18	6	2	0	1	. 8
and Japuary 1880	1.07	454	219		131	5	4	3	6	3	8
9th September 1880	E 4 5.	***				7	2	5	3	.6	3

Now 2 and 3 have been allowed to grow without being praned, whereas No. 1 has been pruned and trained to form a tree, its longest and lowest branches measure 2'-7" in length, while the bottom branches of the two allowed to grow as shrubs are 4'-8" long. The plant therefore, appears to be inclined to form a bush more than a tree if lot alone, notwithstanding that the plant pruned exceeds by far the other two in height.

On the 28th October 1879, I received from the Agricultural and Horticultural Society, Lahore, 623 seeds, and almost all these have germinated, and are now from 12 to 18 inches high.

high.

The practical knowledge thus required enables me to offer the following observations:-1c/.—The seed before rowing must be well scaked in water: some seeds will imbibe moisture and swell enough for sowing in a few days, while others have taken weeks and a few over two months. . 2nd .- That to grow a carob plantation the seed should be sown just where the trees are intended to be grown, and the trees left undisturbed. that plants thus grown, and the trees left undisturbed, are far stronger and healthier than those transplanted, either from pots or the open ground: besides there is much difficulty in transplanting, as the roots take a downward course, and plants 14 or 16 inches high will have roots 30 inches long.

That manuring and watering are not absolutely necessary, I have plants that have been manured and plants that have been watered three times a week before sunrise during the summer months, and neither of them show any improvement over plaute that were left without water or manure. plant once germinated requires nothing more than keeping free from weeds and jungle.

4th.—That neither sun nor frest in any way interferes with the growth of the young seedlings.

5th.—The plant grows quicker in the dry season than during the rains. 6th.—Protection from cattle, &c., is all that is required, and good, dry soil.

remains for me to add that with a soft as dry as any in the North-Western Provinces or the Punjab, the Hazaribagh district seems peculiarly well adapted for careb plantation, and there are ready at hand several plots of land suitable for the purpose well fenced in by aloc.

No. 783, dated Hazaribagh, the 15th December 1881.

From-A. D. LARYMORE, Esq., Superintendent of the Hazaribagh Central Jail, To-The Inspector-General of Jails, Bengal.

On my return to Hazaribagh, I was much struck with the progress made by the careb seed planted in the Penitentiary compound in January. 1880, and I now write to say that of the fitness of this district for the growth of this most valuable tree there is no longer

Mr. Winter, the late Jailor, planted out a nursery of these seeds, and beyond their being watered for a few months till the rains began, no further care was taken of them. They were planted in the open, and, so far as I could judge, every seed put down

germinated.

They were unfortunately put so close together that last rains they began to choke each other, and Mr. Pinim to save them had some 15 dug out of the ground and placed elsewhere. All these died. The remainder are now five feet high, and wonderfully healthyelsewhere. All these died. The remainder are now five feet high, and wonderfully healthy-looking. They will not, it appears, bear transplanting, the cause being the looseness of the soil which drops away from the roots, leaving them, too, unprotected. The soil seems to have no adhesive power whatever, and even, though wetted and wrapped with straw, cannot be held together.

Having read all I can find on the subject, I think that to delay longer in planting out large numbers of these trees here is but to neglect the interests of Government, and to fail in doing what we can towards developing the capabilities of this district.

I propose therefore, with your approval, planting out yearly, say, one agree of carob seed in the old garden attached to the Central Jail. The garden is admirably fenced, so that there is no danger of cattle getting in and eating up the young trees, which can thus be planted, from seed in the open. The garden contains quite 10 acres of ground, and as a carob grove would eventually prove one of the most valuable properties of the kind in the country, at the present rate at which the careb pod sells, land so planted is valued higher than any other property. The pod sells at Rs. 10 per seer, or something like Rs. 10,000 per ton.

I might add that three careb seeds put down in the north of the Penitentiary compound in 1877, have grown into trees between 10 and 11 feet high but being all close together, two of them will probably have to be sacrified to save the third.

I beg that about one seer of seed, if procurable, be sent to me at your earliest convenience.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Pistricts of Bengal, as reported to Government during the week ending the 14th January 1882.

No.	Djetriet, a	ind da arn.	ate o	4	Rainfa et Sudd Station inches	Character of the weather, state and prespects of the crops, and
_				<u> </u>		4
NG	Alo			4		
	Wartern .	Dieter	ieda.			
	(Bardwan)	Jan.	14	'G 0	181)	Weather warmer. Harvesting of winter paddy going on. Rick sells fr
1	Burdwan,	-J B-33	. 14	0.2	57.13	21 to 28 coers per rupes. Cholera bud in thann Purbasthali.
1	Bankoors,	4.5	14	1.	Mil	Weather-measurably cold. Prospect of winter crops continues favourable lever abating and public health improving.
	Beerbhoom.	11	16	**	3011	Weather—warm and dry, occasionally cloudy. Amen rice all but complete barvested. Nubbee promises well, but rain would be beneficial. Public heaf
14	· Midaspere,	0	14		Nil	fair, though cholers is reported in some quarters Weather seasonable Harvesting of paddy almost over. Prices of food-grain
					261	low. Faver much abated. Weather—seasonable. Prospects of winter grope very satisfactory. Publ
ľ	Honghiy,	,,,	14	61		Scalth generally good,
	Howeah,	PP	18	ar .	Nii	Wind changeable, and weather hot or cool accordingly. Kheeeri promising we Sugarcane repening. General health fairly good.
	Central I	dietri	ate.			
6	24-Pergunnah	s, Jan	1.6	'82	Nil	Weather seasonable but rather het with forgy mornings. Harvesting of assets rapidly going on. Cold-weather crops promise well. Fever and cholers a
						shating; the latter has almost ceased except in Diamond Harbour su
7	Nudden,	(i)	14	à	Nit	Weather-warm and cloudy during most of the week. Winter crops slight anticing from want of rain. Fever prevalent but decreasing South case
1			1.0	- 1	" Nil	of cholers reported. Washbor-fine and gool. Ames still being harvested. Prospects of wint
	Jemore. Bagirbat	177	16		1.29	crops reported very indifferent for want of rain. Faver abating, but there as apprendic cases of cholera reported trom Jaenida, Magura, Bagirhat, and parts
9	Moorshedabad	ı e	14		Nii	Sudder aub-division Weather—cool, Late tice harvest nearly completed. Winter crops doing we
			. 1			Rain wanted in Kandi sub-division. Pever much abated. Cholera and small-ported from certain places.
=	l mat		10	All III	Nil	Weather seasonable. State and prospects of crops good. Price of common
10	Diungaporn, .	dan.	Ta	92	74.17	rice from 21 to 40 seers. In the south cheap rice can be bought at 50 see
11	Rajahuhyo,	13	14		NÜ.	Clouds have collected, but have dispersed without rain falling. Prospects
			Τ.			crops generally favourable, but resides crops require min in parts of district Fever provalent. Cholera is reported from Puthiah station.
12	Rangpore,	107	1.8	,,	NB	Wenther-warmer, and somewhat cloudy. Award has yielded a fair outton
110	Bogza,		14		Nil	Other crops progressing tolerably well. Cholera somewhat ahated. Weather—scasonable, but warmer then usual. Some rain would be useful
10	dog.a,		~-			Prospects of rubbee crops moderately good. Winter rice harvest nearly finishe Sugarcane, mustard, and kalai being reaped. Cholers is reported from con villages in the santern part of the district, and distribut and fover in the extrem
(*			B.C21	west.
14	Pabna,	ы	14	1)	Nil	Weather—cool and cloudy at times; no rain. Cutting of comme crop finished. Datturn fair. Sewing of wheat, burley, cheens, and fore rice fluished. I fresh cuses of favor. A few cases of obelera reported from Pulpus, Chetmoh.
	Desirabina		1.4		0310	and Serajauago. "Weather cloudy and very cold with occasional breaks of sunshine. A little re
15	Darjonling,	М	14	14	ý Lu	fell during the latter part of the week. All crops doing well and promise :
18	Julpigorou	1)	14	16	0.18	Weather—a light shower on the 13th; otherwise bright and cold. Very go yield of assess crop, and agricultural prospects generally very promising. A feeties of cholers and small-pox.
	Cooch Behar	ni'	18	ji-	Nil	Weather—cold and sessonable. A shower of rain would wuch improve prospec of culd-weather crops. Cutting of late vice not yet finished. Rice sulling Re 1-13 per manual. Public health good.
						and providence of the second s
	Enstern L	right	eta			•
17	Moundigu		gr w	May bil.	0.15 0.15	Weather-not very cold; cloudy. Amon rice harvest over; outturn average Survenue cutting going on, thir yield expected. Sowings of cold-weath crops completed and prespects good. Public health good, except a few spurse
,	Manight un	ge (fe	or w	onk	0.80	Guide continuer and hashage from A same state state and arrels a ton shorter
18	Furreenpose		14		Nil	Weather-fuir. Prospects of winter orope fair. Amus harvest nearly fluished.
19	Hackergubue,	21	18		0.97	Weather-cloudy and rainy two days; the rest seasonable. Prospects general proof. Favor, small-pox, and obulers decreasing.
20	Mymensings,	144	13	M	Nii	Weather cloudy and warm for the time of year. State and prospects of cro good. Some cases of cholera reported in the Sudder, but no epidemic.

1	ła.	District, as		de of	,	Rainfall at Sudder Station in inches	Observator of the weather, state and prospects of the crops, and state of health at date.
					_		
BEI	NGA.	(consintati.	1				
B	antor	n Districte-10	onel	uded	.)		· t
	10.1	Chittagong	Luc	. 17	189	Nit	Weather - sensonable. Harvesting of onen completed; yield 12 number. State
36	*1	e ditrangening	46 (0.1)	. 4.0			winter crops good. Sinfil-pox and cattle-disame still reported. Virules cholors reported from town and Meerkaneral thank.
DIVE	28	Nonkholiy,	1	, 12)II	0.25	Weather-cold, but warm and cloudy in latter part of week. Harvesting of new rice nearly over; outturn good. Late rain has done some good to whater cro
OMO	28	Tipperat.	119	18			which promise wall
FAG.	61	Chittegou, Hil		10		0.20	There are cases of cholera and aroult-pox in the district. Weather - cloudy and rainy in first part of week; cold since 7th instan
CHITTAGORG	24	Tracts.	1 14	30	97		Harvesting of plough-paddy continues. Mustard is in flower and med, at augurenus and other collaweather crops doing well. The primpect on t
		Alle Man		1.16		1 18	whole is good. Sunde-pox is appearing in some places.
		HD. Tipperso,		18	n	. 10	Weather—cloudy ind rubus warm for the season. Sugaroane still being at Winter crops thriving well. Public health good.
Bk:	HAE						4
	25	Patent.	Jan.	14	185	Mil	Weather-cold, with west wind. Resping of paddy going on. Rabbes of
	26	Gyn,	p	1#	P7	Nil	Promising well. Public health good Weather—cool. Harvesting of pauldy not yet finished. Prospect of subbee at
	27	Streintbud,	77	14	10	Nil	good, but a shower of rain would improve it. Favor much diminished Weather—cold, with weather breeze, Outturn of rice crop just harvested estimated at 11 annes. It sproved less than was expected, the results
PATER DIVE.		į.				- i	threshing being a disppointment. Rubbee crop not doing well, Bain needs
P. P.	28	Durbburges,	114	14	,,,	Nil	Wenther-seasonable. Rubbes crop promising but requires rain. Sugarca
Pat	29	Макаветроге		14	ğı.	Nil	Pressing going on. Prices stationary Health fair, Yeather—cold. Rabbee prospects continue good, but a shower, of rain wos improve them.
	80	Section	11	14	101	Nii	Weather-clear and cold. Harresting of winter rice going on everywhere wi fair custure. Rather and poppy grops processes well on the whole. Sugarea
	31	Caguaparus,	11	14		180	pressing going on. Public health much improved . Wenther-cloudy and cool. Prospects of crops continue good. Public heal
,	32	Monghye,	Jap.	14	'82	Nii	good. Wenther cloudy, with west wind. Harvesting of rice grop nearly complete
KAN.	88	Bungalpore.	F1	14	ud	Nil	with good outlier: Prospects of rabbae crop continue good. Weather—fair and cool. Winter crops still doing well, but rain said to wanted in Banks. A few cases of small pox here said there, but otherwise.
100	34	Parnesh,	1)	14	PI	Nil	general health good . Weether delightful. Rubber crops are now being gathered; outpara good
GULPORE INVE	3.5	Maldah,	**	14	81	Nii	respecially of mustard. Itsin wanted for wheat and tobacco. Health good. Weather—warm for this season of the year. This is partly owing to their have been no rain for the last nine weeks. Winter rice crop almost reapod, Kalai
BHAG		,				1	being gathered. Outturn will be below the average owing to the dryes
(A)						m. 1. P. 1	amail pox have been reported. General health good
- 1	36	Southal Perchi	l- р	14	61	Nü	Weather—cloudy during greater part of week. Dann nearly at harveste conturn will generally be an average one. Rain wanted for wheat and barley
он	8na						· · · · · · · · · · · · · · · · · · ·
	37	Custack,	Jnn.	13	*62	Nil	Weather—seasonable. Ontturn of sarad rice erop is estimated at 12 ann Resping of rubbes in progress. Common rice sells at 20 score per rupas.
St		diameter 4		14		Nil	few senttered cases of cholers.
ORIGEA DITE.	38	Khoords	41	13	**	A few	Weather-sensonable. Sarad and lagher the being harvested. Bugareans being crumbed. Miscellaneous crops going on wall. Common rice sells at from 31
1694						drops.	42 Uniontic sours for the rupes. Fever still prevails and small-pox reports Cattle-discuss still reported.
OB !	89	listamure,	19	13	5.5	Nil	Wenther-seasonable. Bore rise is being sown where the soil admits of the exceptional kind of rice being continued. Harvesting of rables and other up
							reather crops in progress. Small-pox and catcle-disease reported from parti-
324	ATC	NAGPURE.	Fee	ada-			· ·
		Agency		+			4 4
	40	Hamistongia.	Jan	13	182	Nil	Weather would and cloudy during the last two days. The trans dring we but rain much wanted. Prices same as last work. Public health general good.
	41	Loborduege,	85	16	11	Nil	Weather-oold. Rain required for cold-weather crops in Palamow. Weather-very warm during the week; cloudy yesterday (12th), threaten
		k i	P.P.				change. No paddy on the ground. Cold-wenther trups still doing well, train wanted. General health of district good.
	43	Manbhoom,	N-	14	111	Nit	Weather—seasonable. Prospects of standing crops good. State of heat generally good, but faver has been reported from the Paralla Police-station, a grattle-pux from several police-stations

* Pablished for general information.

CALTUTTA, STATISTICAL DEPT.,

The 1744 January 1882.

COLMAN MACABLAY,

Offg. Secy, to the Goot, of Benyal.

following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the mouth of October 1881.

IMPORTS INTO CALCUTTA.

											9.7					196	
•	3. 1	1	T. 1"T."		pp-GRAI	NS.			Panegra	PRODUCES	Ottes	ESDA.			*,	800	AR.
hence import	ed.	Rics	AND PA		Wheat	Genta	Other	Total.	Juto, raw.	Querry-	Linned.	Mustard-	Ten, Indian.	Chittan, raw,	Bilk,	Reflect,	Gara
		Rica.	Paddy.	Total (to , race).		pulse.	l permanten.			paga.		seeth.					Bruss.
						* **											
Russa Se		Mds	Mds.	Mdu.	Mila.	Mds.	Mda.	Mids.	Mds.	No.	Mila.	Mdo.	Mda	Mds.	Mds.	Mde.	Midn.
enn		41,275	13,000	40,431	934	863	70	50,776			11,961	948	229		12		10
TROOFS		17,00m	57,950	95,921		40	10000	12,000	IN)	1,166					163	H-1113	1,531
hty	110	28,4125	31.139	60,353	18,312	11,253 age 4	2509	63,501	1,05,3667	550,346 550,615	33,324 31e	1,817		3,048		2,519	5,499
reinmalte as	100	1,31,163	\$1,306	1,08,100	10.277	90,555	1.670	\$1,11,12	1,04,830	1,495	W.111	31 <u>1</u>		2,690 ·	603	2,783	15,345
FB		5,500	6,725	18,542 5,899	Lield	B.500	150	20,490	43,3%7		0,13G		'	1	090	4/97	H,GL
medahad	441	1,47,432		1,46,432		101 1	1700	1,47,432	5,500	459,525	OF FOLL	100 10		1.0.0	330	717510	*******
intiyes	11.0	0,621 B20		9,621 1730	870	11,179	1	151,355 年 18監正	1.15.768	1.855 244,775	46		9				44-719
tpore -	811	12,617	461117	12,817				12,517	14,845			7			*****	7175-s	destand de trad
	,			-0-411	nd	Mark	1	201	4,18 (20) 57,736	27 0,200 25	1,845	1,9=6	4,951	20.00	-10-44		1.00
gories	;;; i	44 17	100010	4 4	.,	100.00	1		19,064	75,533	******	1.0	11,07%		419-1-	10 70 66	Primp
B	***	9,573	450	92,633 9,854	1,111	1,111	331	43,059	8,4 (157	1,855	900		25	1,843	23		1
endpore	411	8,85,345	No. Co.	3,53,785		14 1	100.000	\$,51,965	1,425	*******	*** **		******		****	*******	
ensingh	81.	8,325	200	8,043	4	300	34 1000	3,445	65 389	100.00		1,525	,	*****	****		117100
emili ar	84.0	PL 1 1	401711		171	1611			14. 11	******	******	1	1,234	1	rh 1 1 - h	eds 1 as	*****
digity or		62,471	254	58, 128		376		BQ SEC				1		70.00	*****	11-177	40.00
otal III Bengal		9,60,439	1,99,00%	16,33,544	34,980	67,440	4 2 629	11,25.099	23,69,500	2,157,375	51,980	6,193	17,658	7.029	1,#47	25,171	51,991
BREAL.			i .					•	i .			-					
g * 100	1117	"W" 42	.,,,,,,,	2.42	\$,68,294 &@	30,426	7,846	51001509			60,279	18,328	119140	11110	471966	415	023
nhad	574	16	49-111	1.6	39,787	5.025	8,215	dd. Hei	117311		1,907	3,50%				1,159	186
iffirpole	***	wheel	11.11.6	be (e 1 l	1,055	1,680	31	8,541	11.4	1171-1	10,1:1 76,5:10	4,795	1.1.11	19		44444	*****
n ee	444	Anton	destate (19.000	43.557	HALL	1,478	80.049	14114	10.101	20,519	1,595		12	160111		10.100
thyr	211	1,625	981111 6	1,500	45,741 71,184	40,851	7,540	100.000 100.000			25,381	1 2,797 7,790		******	115		an a rap
culporo	114 .		101000		8,014	- 4,615	188	0,435	1,333	46,800	.Periodi	2,975	69		111717	-14	******
ah		1,831	10.000	1,331	7,704 2,871	2,453	387	30, MS 5,524	14,5005	44.414	134				44	**1141	LELEAR
hai Perguninahi	1	400			3,90,637	1,00,200	19,403	5,23,913	10,033	46,600	2,37,393	16,000	09	1:	71	1,554	3 494
Coppl of Behar	***	6,80 6	14444			- The Contraction	10,100	0,23,020	4	40,00		Bar-wan-		-	- 11	1 (00-3)	1,34
ORISOT.							1						1				
6029	H	8,266,	. 120.00	8,986	2,170	h(1		8,436	544	1, <u>0</u> nu		2,334			harred	10,019	Larges
HOTA NASPOR					į ,	2.004	٠					40.	401				
wihagh 4	411	140+1-1	- 41 19	PRF. P.	245 F5 1	2,024	******	2,024				401	190	F	141 151	114.14	
nd total of support the Province derite Lieuten vogade of Bust	WILE- I	9,61,509	1,82,908	10,41,414	4,27,746	1,09,782	22,027	10.62.960	123,12,047	2,205, 175	2,48,944	54,144	17,935	7.641	1.375	90.727	35,26
THER PROVINC	epa.							1				-					
n. Western Prov		1,332	5,725	4,580	40,603	660	+** + ***	46,083	1,200	170	600	4,714	76,809	17	61	1,041	
(Cartille or	-41	171 191	* 44 90 *	49	8,19,520	979	275	3,28,967	280	1+4	96,569	35,751	80	9,355	489 744	20%	131
ab		1,	1	7 1	67,CBR	4,060	9-14-E-	61,740	48 cm		145494	271	248	206 *	1		
cinna States	11 1	*****	· mar			*****	817-84	818.51	197781					489	Lawber		- 10 161
ns			4 100.00	100.00	100.001	1,564		1,564		0,000	481111			10.584	100 100	8,919	41.44
th Burmah		10,404		10,488		185	1 11	10,620	1	300	100010	411.11	******	-+	+14157	i carres	117481
. Standar		A contract		To do Nas	44.45.448	5	An most	State and a	abili tel maler	1.005	9 92 3132	D.C.O.LIL	01.704	00.411.1	153	_	00.00
id total of Im-		9,62,690		19,69,743	8,45.645	1,73,374	80,908	81,18,061				01,010	91.723	20,811	1,102		85.70
arta in Ork	FRAD	(7,1/2,046)(1.3	20,004	10,25,031	5,65,609	1,60,206	16,543	17,59,011	13,60,517	1,555,316	4,66,540	1,29,891	55,130	32,935	1,30%	51,287	

The Sia-bone Trade of Calcutta in these Staples during the month of October 1881 was as follows :-

State of the state of			.:::								- · · · · · · · · · ·					
KEPORTED PROM	Mds.	Mda.	Mde.	Mds.	Mda.	Mds.	M44.	Mds.	No.	Midn.	Mda.	Man.	Mds.	Mdn.	Mds	Mille
o Indian Ports, via.— Sombay Unier ports in Bombay Madras Other ports in Madras British Burinah Other Findian ports Pondicherry	5,955 85,766 900	0,843	54.635 8,935 69,918 943	##L+1+	40 24,000 3,838 10,801 610 198	14	54,747 29,351 163,915 13,620 040 347	2,190	\$43,210 \$2,630 \$2,630 \$2,630 \$4,000 \$2,630	100-174 100-17	090-9- 091-94 	# "1 ***	26	971 13 3	8.920 937 107 5.119 530	20 mm
Yotal of Interportal }	1,11,694	9,842	1,50,775	6307	80,446	14	1,91,074	5,801	1,059,810		s als ag	*201	16	500	14,8%4	22
b Foreign Ports-												1				
United Kingdots Other Foreign pers i		4,020	9,295 6.61,515	7,81,669 8,17,368	2,793	10,193	7,27,038		3,470,500 3,470,501		47,585 34,605	78,800 1,3(4)	9,194 5,538	Tige.	D. Com	
Istal of Forage trade	## 1380g	4,020	0,90.745	11,61,760	84,044	10,186	18,34,486	10,84,205	3,509,662	1,19,279	71,693	77,140	0,1812	1,043	D4	
Grand total of Ex- { 1881 Ports in Out. 1880	\$3,79,860 \$.79,861	13,671	8,41,514 6,58,684	11,02,402 \$,49,038	74.631 62,655		20,28,350 13,50,143		5,000,372 7,100,336	1,19,270 5,63,018	71,520 75,202	77,310	6,148 78,200	1,369	1 & SMR	

* Line mannet of pecialy is equivalent to 30 secre of rice .

f Minimire of bags obtained by local manufactur

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic Imported into Calcutta during the month of October 1×81.

IMPORTS INTO CALCUTTA.

			144		-1-65	-		Ort.	ORBIN.		4	•	Bra	
		1	COON-GRAI	ns.		FIRROTA	PRODUCTS.	OLD.		Tea.		BILL		
e derchication of Routes.	Rive.	Paddy	Wisout	Gram and pulses.	Other food- grams.	dute.	Gurney -	LEINOUG.	seod.	Landan	Colion,	Silk,	Rollned.	United
	Mds.	Mds.	Mds.	Mda.	Mds.	Mola	No.	Mds.	Mdn.	Midn.	" Mdn.	Mds.	Mds.	Mili
Hy conners busts Ever seculators Fall (Last Indian Frank Frank Frank Frank	8,21,684 22 47,005 30,655 11,002	121356	2,58,748 6,83,075 51 8,170	1,10,755 90 59,147 5,575 189 1,69	19,001 (19,001 (19,001 (19,001	7,96,533 2,56,645 11,05,054 4.1 . 700 541	3,509,000 615,075 76,075 9,755	3,93,888 62,100 49,6 12,8	42,000 4.714 40,684 834	50,420 915 20,343 1,435	8,708 810 10,579 8,452 93 11,375	163 61 490 620 152	12,125 1,769 1,436 412,657 9,770	250, 1,3 0,0 1,0
Grand total of Imports (1381	0.52,00	1,58,005	8,45,645	1,75,37 6	22,002	2014/066	2,213,005	3,86,103	94,910	14.723	25,011	1,400	57,755	95.3
fo thelober (1845	11.01,555	95:634	(c)\$5(489	1 50,216	10,235		1,555,358	4,66,543	1.20.881	82,450	32,032	1,555	51,287	21,8

The following Statement chows the Values, Quantities, and Numbers of the Principal Staples of Traffic Exported Inland in Calcutta during the month of October 1881.

EXPORTS FROM CALCUTTA

	Cotton proces	goody.	Cotton	Peren				Cottourne	prograpija.	Catton	I wist.		
Whither experted.	European,	i .	European.		Sait.	Gunny- lings.	Whither exported.	Enro- peans	ludum.	Euros Jean.	Indian.	Balt,	Ganuy-eq
BROAL.	Re.	R.s.	Mds.	Mds.	Mds.	No.	CHOTA NAGPONE. Hazhtibush	The 27 (0.1 85,105	Rs.	Mdrf.	M 6 v. 47 40a	Mela 5,043 3,125	Nic. 6,623 79
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e following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic Exported from Calculta during the month of October 1881.

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As per largi declaration value.

TATISTICAL DEPARTMENT, The Lath January 1882. Offy. Secy. to the Govt. of Bengal

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ALEXANDER PEDLER, Offg. Meteorological Reporter to the Goot. of Bongal.

Merrorogogical Office, Bengal, The 14th January 1882.

Results of the Meteorological Observations taken at the Alipore Observatory from 8th to 14th January 1882.

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	The highest velocity of the wind in one hour during the seven days	***	Milion.
	The highest pressure of the wind on one square foot during the seven days	444	Not measureable,
	The mean relative humidity during the seven days The average relative humidity of the corresponding period for 24 years, S. G. Office	***	% 78 70
FT	The total fall of rain from 8th to 14th January 1882 The average fall of the corresponding period for 24 years, S. G. Office	***	Nil. Q-07
	The total fall from 1st to 14th January 1882 The average fall of the corresponding period for 24 years, S. G. Office The mean pressure, temperature, &c., are deduced from the traces of the Barograph	and	0·13 0·11 Thermograph,
ind	from observations made at 6h, 10h, 16h, and 22h.		

The maximum and minimum temperatures are obtained from self-registering thermometers. All the acrmometers are verified, and the readings have been corrected to a standard constructed and verified to the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four

The barometer readings are corrected approximately to those of the standard Newman's No. 86, principly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the leteorological Office, and based on Regnault's modifications of August's formula.

The direction of the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

Fog, C dew, o overcast.

N.B.—The Anemometer having been under repair the velocity and directions are not given.

Markonological Office, India, The 16th January 1882. ALEXANDER PROLER,
For Offg. Meteorological Reporter to the Government of India.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 8th to 14th January 1882.

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The mean relative humidity during the seven days	141	? *10	69
The total fall of rain from 8th to 14th January 1882			Inches.

The mean temperature is obtained by applying to the mean of the 40h, 16h, and minimum readings a correction dependent on the rauge, and derived from the honely observations at the Surveyor-General's Office, Chowringhet, in past years.

The means of the hygrometric elements are the crude means of the values derived from the

three readings of the instruments.

METEOROLOGICAL OFFICE, INDIA,

ALEXANDER PROLES,

The 16th January 1882.

For Offg. Meteorological Reporter to the Govt. of India. .

PUBLIC WORKS DEPARTMENT, BENGAL.

TERIGATION BRANCH.

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Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 7th January 1882, on 1.5041 miles open.

	Оотомая	o Thays	ic.	MERCHARDINE.		Other carnings		TRAFFIQ TRAFF-MILTO BU		
	Number of pariengers.	. Conek:		Weight corried.	Receipts.	(sstimeted).	Total earnings.	Conching.	Merchan-	Tanal.
Total trade for the week of the previous weeks of bulf-	187,660	Ha. 8,44,900 826	B 0 4 8	Mdw. s. 22,06,761 80	Rs. A. P. 7,80,096 14 & 483 B &	Ba, a, F. 13,508 0 0 8 16 7	He. A. P. 10,85,004 6 6 783 0 11	52,140)	118,72,2	170,950
Total for 1 week	197,600	3,44,900	8 0	23.66.741 30	7,80,001-14 8	13,500 0 0	10,88,504 6 8	52, 1864	118,7218	170,998
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for period of previous year	182,1034		6 6 6 4	23,45,270 0	584 J2 10 8.79,092 0 4		784 18 6 11,90,510 8 10		141,176	909,100

EASTERN BENGAL BAILWAY.

supresumate Return of Traffic for week ended 31st December 1881, on 1714 miles og ...

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2 7 2	Number of passengura.	Conch renet		Weight carr	ied.	Recei	ota.		(cutions	ted)	*	Total ear	and.	Conching.	Morehan- dino.	Total
Total treffic for the week Or per mile of railway For grovious 26 wooks of half-year	\$6,552 207 1,180,1601	29,166	15 11	4,25,950 2,500	17	450)	A. 1	0	Ha. 19,040 105 23,975	0 1	7	Ra. 1,90,040 757 53,40,407	A. P. 0 0 2 4 0 0	E,807	8,100t 265,253t	13,976
Total for half your	Laten, com	8,19,591	0 0	82,01,578	0	25,66,011	0	0	48,015	0	Ů,	85,70,837	0 0	1,54,206}	274,46×	4,48,650
COMPARISOR.									* ,							
Total for corresponding hat fi days of previous year Per rule of natively correspond-	40.161}	89,811	0 0	19,61,860	0	- 35,27e	e	0	0,984	0 0)	77,919	0 D	4,8\$14	4,9171	9.779
Total to corresponding date of	234	173	B 2	11,410	\$9	222 1	3	7	67	4	l.	653	10 10			011017
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^{*} Rs. 210 included on account carriage of Revenue stores.

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 7th January 1882 on 1713 miles open.

Total :raffic for the week Or por mile of railway For previous wooks of balf- year	62,490 262	Rs. A. P. 36,760 0 0 167 6 4	Mds. s. 1,89,750 0 930 8	Be. A. P SS,342 0 0° 168 4 11	Re. A. P. 118 0 0 0 10 6	Rt. 4, 2, 61,245 0 0 850 6 9	5,780]	8,508}	1.0,000£
Total for the wook	41,490	28,750 0 0	2,60,750 0	33,342 0 0	113 0 0	61,206 0 9	5,780}	1998,8	14,086}
Contraction, c. Total for corresponding first 1 days of previous year	58,000]	\$1,045 0 0	Z,18,648 O	41,741 Q D	158 0 0	71,945 D 0	6,0613	0,614)	29,8164
Per quite of radiway corresponds inc week of previous year	808	180 12 1	1,273 1	968 0 7	0.34 0	484-33 - 9	444.74	*****	Internal
bicsions beat	62,0004	31.046 0 0	2.16,048 0	61,76t 0 0	186 0 0	72,942 0 0	6,0013	6,6344	13,2114

^{*} Re. 185 included on account certiage of Revenue stores.



SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, JANUARY 25, 1882.

OFFICIAL PAPERS.

North Subscribers to the Gazurru may receive the Supplement employees on payment of Sia Rupes for annum if delivered in Salcutta, or Treetee Rupes if sent by Post.

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15th January 1892 Wholees's Prices-current of Food-grains, Firewood, and Salt in the Marts of Bengal for the fortught ending 18th January 1882	12	Report on Traffic of the East Indian Bailway for five weeks ending 36th November 1851 Weekly Return of Traffic Receipts on Indian Bailways	71 76

Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

Saturday, the 21st January 1882.

Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, Presiding.

The Hon'ble G. C. PAUL, C.I.E., Advocate-General.

The Hon'ble H. L. Dampier, C.I.E.,

The Hon'ble H. J. REYNOLDS,

The Hon'BLE H. A. COCKERELL,

The Hon'ble D. M. Barbour,
The Hon'ble T. T. Allen,
The Hon'ble Manarajah Luchmessur Sing Bahadoor of Durbhanda,

The Hon'ble F. PRESTAGE,

'The Hon'BLE KRISTODAS PAL, RAY BAHADOOR, O.I.E.,

and

The Hon'BLE AMEER ALL!

. AMENDMENT OF THE CALCUTTA MUNICIPAL CONSOLIDATION ACT.

THE HON'BLE MR. REYNOLDS moved for leave to introduce a Bill to amend "The Calcutta Municipal Consolidation Act, 1876." He said this was a very simple measure, and he would have been unwilling to trouble the Council with

it, but there was a practical difficulty which could only be removed by legisla. tion, and the Government of India had suggested the amendment of the law. The only object of the Bill was to alter the date of the commencement of the municipal year in Calcutta from the 1st of January to the 1st of April. The Government of India had determined to publish, with the annual statements of revenue and finance, an abstract of the accounts of all the municipalities in British India, and in order to secure uniformity in the preparation of these accounts, it was thought essential that the municipal year of Calcutta should be the same as the official year, which had been adopted throughout the country. But under the law as it now stood this change could not be effected. The Municipal Act prescribed cortain dates on which licenses were to be taken out, and specified certain months in which meetings were to be held for fixing the rates of assessment and preparing the budget : and no power to alter those dates had been reserved either to the Government or to the Municipality: it was therefore necessary to introduce a legislative measure. Of course, when the change had once been made there would be no more difficulty in preparing a budget for the year beginning on the 1st of April than for one beginning on the 1st of January. The only possible inconvenience would be during the year of transition. He had been in communication with the Chairman of the Calcutta Municipality, and they had agreed upon the form of a short Bill which be hoped the Council would accept. He need not at present refer to the details of the Bill, as he was now only asking for leave to introduce it, and if leave was given, he hoped at the next meeting of the Council to introduce the Bill, and before that time it would be printed and in the hands of hon'ble members.

The motion was agreed to.

AMENDMENT OF THE EMBANKMENT LAW.

THE HON'BLE ME. DAMPIER moved for leave to introduce a Bill to amend the law relating to embankments and watercourses. He said that, before the year 1873, the liability for the maintenance of embankments throughout Bengal was vague and indefinite. It was acknowledged that there was an obligation somewhere—an obligation towards the agricultural community at large to afford protection from inundations. But how far that obligation rested upon the Government, and how far it rested on the zemindars individually of the estates which were benefited, was what one of His Honor's predecessors would have called "a fluid" question, the solution of which was to be found exceptionally in the settlement arrangements of certain estates only. Previous legislation had dealt only with the mode of giving effect to the obligation in cases where it was assumed that it rested with one party or the other-with

the zemindar, or the Government.
In 1873 Mr. Schaleli introduced a Bill into this Council to amend the existing law, and during the passage of that Bill through this Council, it was found that the time had come for defining the liability more precisely. The age of give and take had passed away; the time had passed away when people were ready to accept a paternal Government as an arbitrator to do justice between individuals and the public at large. The passage of that Bill through the Council was delayed for the purpose of making a thorough enquiry into the matter. Settlement engagements were examined, the general custom which had prevailed with regard to particular embankments was looked into, and a definite conclusion arrived at. The Government accepted certain definite liabilities, which were formulated in the Bill and ratified by this Council in the shape of Schedule D, which contained a list of the embankments for the maintenance of which the Goverhment was to be liable in the future. With this part of legislation His Honor's Government had no intention to interfere. There was a clause in the existing law which enabled the Government to add embankments as occasion might occur to Schedule D, and there was no intention of revising that schedule or of making any alteration in this substantive part of the law.

But, apart from the question of public embankments which had to be maintained at the cost of the public revenues, previous legislation had conferred upon the Government the right and duty of executing, through its officers, the works which were necessary for the maintenance of other embankments the obligation for which rested on the zemindars. The expense was

to be advanced by the Government and to be recovered from the zemindars of the lands benefited and the tenure-holders upon those lands. The Act of 1873 re-enacted, with amendments and improvements, the procedure clauses which empowered the Government to enter upon lands as necessary, and to do all that was required for the maintenance of these public embankments through its own Engineer officers, and it enacted clauses for apportioning the cost of such works among those who were liable to pay them, and for recovering such cost. These were the clauses with which the Bill Mr. DAMPIER had now the honour to introduce would deal. In the course of eight years' working, as usual, defects had been discovered and suggestions had come to the surface for

improvements to facilitate the working of this portion of the Act.

He would mention briefly the principal changes which it was proposed to introduce. Under the existing law certain powers for altering the courses of embankments and removing embankments and starting new works were vested in the Collector. It had been found that the questions involved in the exercise of this power were so important and so often affected large tracts of country around that it was not safe to leave them in the hands of the Collectors of individual districts. The Board had been obliged to issue instructions prohibiting Collectors from exercising certain of these powers without the previous approval of the Board to the project. A good deal had since been said about the impropriety of the Board-an executive authorityrestricting the exercise of a power which the Legislature had conferred on its subordinates, but the fact remained that the Collector now was not allowed to exercise the powers in question without first obtaining their approval, and now the Government had thought it right to go still further, and to require that such projects' should before adoption come up for the consideration of the Lieutenant-Governor, who would examine them in the Public Works Department with reference to the whole country which shight be affected. The necessity of sending up these projects for the sanction of the Government before they were undertaken was one of the changes which it was proposed to make by this Bill.

Then in the existing law there was a certain section which provided that the land of embankments should be vested in the Government in trust for the public or the zemindar as the case might be. This section was indefinite and led to much difficulty and objection in its working; it was proposed to define that right of the Government more clearly.

Thirdly, as the law now stood, when damage was inflicted upon any person by any work which was done under the Act, compensation was to be made to him, and the Court which awarded compensation was not bound to take into consideration what benefit, if any, that same work had done, although the benefit accrued to the same individual in another part of his property. That defect would now be remedied.

One of the most important of the proposed changes for the benefit of the zemindar particularly was in the apportionment of the expenses. The law now required that the expenses incurred in each year should be separately apportioned over the zemindars and tenure-holders who were liable to pay, and the procedure in that behalf was so elaborate and intricate as to be almost unworkable. It was now proposed that the Government should estimate. what the cost would be of maintaining embankments in any given tract, for the expenses of which the zemindars were liable, for a certain number of years as might be fixed in each case; that the amount so estimated should be divided into as many equal parts as there were years, and that a rate should be apportioned over the zemindars once for all-a contract rate in fact. apportionment would be once for all instead of every year.

The existing law required notices to be served at every step in such ber on every petty holder as to be perfectly unworkable. This would be number on every petty holder as to be perfectly unworkable. This would be simplified, and the principle adopted in the Road Cess Act would be introduced, which provided that special notices should be served only upon those who had interests above a certain amount. Those whose interest was very small must be satisfied with the general notice, which would be very widely

published.

Lastly, there would be a special clause introduced with regard to the apportionment of the expense of maintaining the Gunduk embankment in

Mozufferpore. A custom had prevailed there of apportioning the expense according to a method resembling one of the three modes which the Act recognised; but the practice varied somewhat from the prescribed system, and the assessments under it did not come strictly within the four corners of the clauses which empowered the Collector to apportion. He therefore proposed to introduce a section legalizing the customary mode of apportionment in respect of these embankments.

The motion was agreed to.

The Council was adjourned to Saturday, the 28th instant.

MANUFACTURE OF AN IMPROVED CINCHONA FEBRIFUGE.

No. 59, dated Calcutta, the 13th January 1862.

From COLMAN MACAULAY, Esq., Officiating Secretary to the Government of Bengal, Medical and Municipal Department,

To-The Superintendent of the Botanical Gardens.

In continuation of endorsement No. 243, dated the 2nd March last, I am directed to forward herewith, for information, a copy of a letter from the Surgeon-General, Bengal, giving cover to a memorandum containing the results of a further trial made in the principal hospitals at the Presidency, and in the Howrah

Hospital, of the crystalline cinchona febrifuge prepared by Mr. Gammie.

2. As regards the comparative merits of the crystalline and the ordinary febrifuge, it appears from the reports now made that while Dr. Coates (Medical College Hospital) is neutral in opinion, and Dr. Joubert (General Hospital) considers that the new drug is only superior to the ordinary febrifuge in regard to solubility and elegance, there are other officers whose experience is more decidedly in its favour. Dr. Sanders of the Mayo Hospital considers it a better drug than the old febrifuge. It will be remembered that Dr. Cayley, from his experience in this hospital, pronounced the drug "infinitely more valuable and useful than the old alkaloid." The Campbell Hospital staff report strongly in favour of the new drug. Dr. Pilcher from Howrah reports, as before, that he has found it in all respects equal to the sulphate of quinine.

3. The evidence of the physicians is on the whole in favour of the new febrifuge. The extra cost is roughly given as 50 per cent. There is no doubt that the drug looks more inviting than the ordinary febrifuge, and it will still be far cheaper than quinine imported from Europe. I am accordingly to request that you will cause 100 be of the crystalline febrifuge to be manufactured and advertised for sale at such advance on the price now

fixed for the ordinary febrifuge as you may consider necessary.

No. 4934, dated Calcutts, the 29th October 1881.

From-A. J. PAYNE, Esq., M.D., Surgeon-General for Bengal,

To-The Secretary to the Government of Bengal, Medical and Municipal Dept.

WITH reference to your No. 242, dated 2nd March 1881, I have the honour to submit a memorandum containing the results of further trials of the crystalline cinchona febrifuge, and to say that the evidence on the whole points to the conclusion indicated in my No. 471, dated 11th February last.

MEMORANDUM.

A FURTHER trial of crystalline einchons febrifuge was made in the undermentioned institutions, agreeably to the orders conveyed in Government letter No. 242, dated 2nd March 1881:

Medical College Hospital.

General ditto.

Sealdah ditto.

Mayo Hospitals

Howrah ditto.

Dullunda Asylum.

The opinions of the Superintendents of the hospitals are given below:

Meaical College Hospital.—On the comparative merits of the crystalkine and cinchona alkaloids, Dr Coates, the Principal of the Medical College, observes that "so far as we have gone, then, the one alkaloid has shown no superiority over the other."

Presidency General Hospital.—Dr. Joubert, who tried the crystalline febrifuge in his ward, states that it is a clean-looking drug and not quite so white, and rather less crystalline, than

quinine. It has a faint trace of the aroma poculiar to the ordinary febrifuge. It is very much more soluble in water than either quinine or the cinchona febrifuge. Shaken up with one ounce of water, ten grains almost entirely dissolve, and the solution is made perfect by the addition of five winims of dilute sulphuric acid. Such a solution is distinctly less bitter than one of the same strength of quinine. In the above respects the crystalline variety is markedly superior to the older febrifuge. It is a more convenient and elegant drug. With regard to the production or co-existence of nausea and vomiting in fever cases during the administration of the new drug. Dr. Joubert is of opinion that no marked superiority in this respect can be claimed for it over the ordinary febrifuge.

Oampbell Hospital.—Dr. Mackenzie, the Superintendent, has tried the new febrifuge, in

three wards of the hospital. Assistant Surgeon Doyal Chunder Shome reports that the new preparation does not produce gastro-intestinal irritation. From the limited number of cases in which the medicine was tried, he is of opinion that it is almost equal to quinine and is decidedly superior to the ordinary febrifuge, which requires larger doses and longer adminis-

Assistant Surgeon Bollye Chunder Sen states, with regard to the crystalline fobrifuge, that it never produced any gastro-intestinal irritation, such as nausea, vomiting, or diarrhose even in larger doses, and it was given in cases complicated with diarrhose without any bad effect. The Assistant Surgeon is of opinion that crystalline febrifuge is not an irritant to the gastro-intestinal tract, is a good antiperiodic in remittent fevers; and, as an antiperiodic in intermittent fever, it is as good as quinine.

- Assistant Surgeon Mohendro Nath Gupta reports that in no case he observed the crys-

talline febrifuge to produce any gastro-irritation or derangement. It appears to him that the new preparation acts almost as effectually and beneficially as quinine in ordinary intermittent

and remittent fevers.

Mayo Native Hospital .- Dr. Sanders, the Officiating Superintendent, tried the new medicine in 43 cases. The greater number of patients recovered without any complaints of headache, giddiness, or vomiting. There was vomiting and headache in four cases, and simple headache in three more cases. One patient complained of having pain in the stomach after the administration of the drug. The average quantity required to check an attack of fever was about 30 grains. In complicated cases of fever, it required from three to five days to check it altogether. The complaints of vomiting, headache, and giddiness were mostly in cases complicated with conjected liver or brain, or with constipated bowels. It increased the vomiting tendency of those who were subject to bilious vomiting before the administration of the drug. It is a better drug than the cinchona febriluge, but is on the whole much

inferior to sulphate of quinine.

Dullunda Asylum.—The Superintendent reports that the further trial of the crystalline febrifuge has led to the conclusion that, as compared with the amorphous febrifuge, larger doses of the former can be given without causing nauses, and that the greater solubility

of the crystalline variety is an advantage in compounding.

Howah General Haspital.—1)r. Piloher reports that the action of the crystalline febrifuge was in all respects equal to the sulphate of quinine. Ordinary febrifuge has not such satisfactory results as it appeared to have at first. The number of cases in which excessive nausea is caused by the brown febrifuge is very large, and in some cases, though they are few, the brown febrifuge cannot be borne at all. He is of opinion that the brown febrifuge is a very unsatisfactory preparation from a purely pharmaceutical point of view, and its purification is most desirable, though the drug may cost half as much again.

Rainfall, Weather, and State and Prospects of the Grops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 21st January 1882.

No.	District. a		te nt	125	Rainfall at Sudder Stationin inches.	Character of the weather, state and prospects of the crops, and
ENG.	st.	·				PT .
	Western	Distri	ets.			4
{ · 1	Burdwan.	Jan	21	182		Weather—still cold and clear. Rubber, sugarcane, and potato crops do well Rice sells at from 25 to 30 serrs per rupes. Paddy being barvest Cholera is decreasing in Sudder division, but remains about the Time in Culn
2	Bankoom,	4.1	<u>21</u>	10		Weather - class, but rather warm for the senson. Winter crops fooking we Gathering of early mustard commenced in places. Sugarcane fast riperinal progressing favourably Ferer abating but chalors has appeared in Inc. thans.
(8	Bearbhoou.	Te.	21		23)	Weather-cool and dry. Aman rice is horvestel. Rain would benefit to abbee. General health improving.
1	Midnspore,	F-1	21	11	Nil	Wenther - seasonable. Privessing of paddy nearly completed; outs' senseably excitent. Prices of food-grains low Fever somewhat abuted.
	Hooghiy,		21	,,	Nil	Weather -cool and seasonable; wind northerly. Winter crops promise w
	Howrain,	45	23	110	Nil	Weather - cool and fine. Rubbec crops doing well. Tobacco promising. Sug- cane ripening in some parts.
	Central	Dietri	ets.	į		•
1	24-Pergunnal	he. Jar	1. 23	182	Nil	Weather—seasonable, Harvesting of amon is still going on Winter er doing weal. Rain wanted in Barripore sub-division. Fever and chol abating. The latter still exists in Diamond Harbour sub-division.
7	Nuddea,	1+	21	H	"Nil	Weather—cool. Winter crops not doing well for want of rain. Fever proval but abating. Some cases of cholera reported.
7	Jamore,	"	21	12	Nil	Weather—cold and clear. Harvesting of rice crop is nearly completed, that cold-weather crops is progressing, but the out, are is generally much be the average, hever is absting, but cholera is very prevalent to Sud sub-division as well as in Khulm and Magara.
F	Moorabedaba	d,	21	D	Kil	Weather—cool and clear. Prospects of crops are on the whole favoural Rain is wanted in places. Fiver lingers at Rangamati, and there are on few cases of cholera and small pox.
/ 10	Dinagepore	Jan	. 20	'82	Nil	Weather -seasonable. Prospects of rubbre crops good. Price of rice stations
11	Rajohanye.	0	21	12	Nil	Wenther—seasonable. Prospects of crops generally favourable. Fever is along. Price of rice unchanged.
12	Rungpore,	,.	20		Nil	Weather—character exhibits no material change since last report. Stand crops (mustard, &c.,) doing fairly well, but rain a wanted.
13	Bogra,	+1	21	"	Nil	Whather—warmer and dry. Most of the winter rice and kalai has he harvested. Sugareane and mustard are being cut. Rubbee crops are do fairly, but some ran would do good. There are some cases of fever and choice in a few villages.
14	Pubna.	1 P	21	31	Nil	Weather-fine and coal. Prospects of turmeric, sugarcane, mustard and are favourable. Public health is generally good, except a few cases of the
15	Darjesting,	11	21		0.12	in Pubna and Serajguage. Weather—cold and clear since the rain. The rain has done good. All er doing well.
14	Julpigores.	Þэ	21	85	Nil	Weather-getting warmer. Amen crop has yielded about 14 annas. Tobas sugarcane, potatoes, &c., all promising. General health fair.
-	Coorh Behar, Mathabb	nage.	20	D 	Nii 0:02 0:42	Weather—cold. Slight rain in places. Cutting of late rice nearly finis stain required for cold-weather crops; prospects of these still continue go Price of rice Rs 1-12. Public health good.
	Makiiguv Eastern		ote		V 72	•
17	Oncos,	Jan.	21	'82	Nil	Weather—cool. Winter grops are promising. Horo paddy is being sown in i jurisdiction of Sabhar.
18	Arreedpore,	11	21	fe	Nii	Weather—seasonable. Prospects of winter crops fair. Ass being sown on lands,
19	Çacktrgunge,	Be	19		Nil	Weather - fine and clear for the last few days. On the 13th a chower fell in south of the district. The amus harvest is now over, the outturn being sor what above the average. Cold weather crops are doing well. No mater change in prices.
20	Symensingh,		20	_	Nil -	Weather-dry and cool. State and prospects of crops favourable.

N	io.	District, and		e af	Rainfall at Sudder Station in inches.	
BE	KGAL	(concluded.)				. **
Æ	asters	Districts-to	onelů	ded.)		
. {	21	Chittegong	Jan.	24 '81	Nii	Wouther-seggenulle. Prospects of crops good. Prices stationary. Small-pox still reported. Cholers in town.
CHITTEOONG DIVE	23	Nonkholiy,	1%	19 .	Nil	Weather-fair and seasonable. Amon than has been harvested. Average out-turn is 12 annas. Prospects of winter crops good.
MOONG	23	Тіррегац,	p-1	20 ,	Nil	Weather-warm for the time of year. State and prospects of crops good. There are still cases of cholera and fever in the district.
CRIT	24	Chittagong Hil Fracts.	l ,,	17 "	Nil	Weather-clear, fine, but warm. Cold-weather crops doing well. Prospects good. One or two cases of small-pox. General health good.
		Mill Tipparan,	,,	18	Nil	Weather—seasonably cold. Sugarcane still being cut. Winter crops doing well. Public health good.
ВК	HAĘ			,		
	25	Point,	Jan.	21 '8	2 Nii	Weather seasonable. Harvesting of paddy finished. Prospects of rubbee crops
	20	Gya.	4.6	21 ,	Nit	favourable. Public health good, Weather—cool. Harvesting of puddy not yet finished. Prospects of rubbes still favourable, but a shower of rain will improve the outturn of crops. A very
zi.	27	Sastabad.	79-	21 ,	i Nil	few cases of tover in the interior. Weather—sold, and dry. Ram much needed for rubbee, which in some parts of
Div	28	Darbhunga,		21 ,	Nil	Sasserum has been injured for want of it. Fover much abated. Weather-too warm for the season. Rice harvest is over; believed to be good.
PATRA DIVN.	29	Monafferpore,	• 1	21 ,	, Nil	Hain wanted for rubber. Prices fulling. Health good. Weather—cold, but slightly warm during the day. Prospects of rubber continues good. Rain needed. Public health satisfactory, except in Sectamerhee sub-
_	30	Sarun,	н.	21 ,	, Nil	division where fever is still prevaient. Weather—fair and cold. Harvesting of paddy crop going on throughout the district. Prospects of rubber and poppy crops good. Public health much
	81	Свитеритив.	25	21 ,	, Nil	Woather—seasonable. Prospects of crops continue good. Public health good.
	. 82	Monghyr,	Jan.	21.**	szi Nii	Wenther-bright and cool; temperature variable. Prospects of the rabbee still
DIVN.	83		11	21 ,	, Na	good, but rain would be beneficial. Weather—fine and dry with occasional westerly breezes. Prospects of winter crops still good. Outturn of harvested crops reported from Mudahpoorah to be good and prices low. Some small-pox in Sudder and Banka sub-divisions.
GULPORE DIVIN.	81	Pursenh,	25	21	, Nil	otherwise general health good. Wenther—sensonable Aghasi dhas all reaped. Prospects of other crops hopeful. A shower of rain wanted everywhere. Fever and small-pox reported
TOP	35	Maldeb,		21	, Ni	from Kissengunge sub-division. No change in the week in January
BHA	1	Southat Peter	18 ,,	21	, Sit	Rubbee crops are thriving. Prices of food-grains cheap. Public health fair. Weather—bright and dry. State and prospects of crops good. In south and west the race has been found to have run much to stalk, and the crop is some
Oi	K1887	ι.				what below average.
	, 37		Jan	20 4	92 Na	Weather-seasonable. Rubbs crop is still being reaped, and datus rice trans
TYR.						planted Owing to the late rain there is very little probability of a goo mange crop. Common rice solls at 31 sears per rapec. A few cases of choler reported.
ORIGINA DIVE.	88	Phoree.	. "	19	. Nil	Weather—sensonable. Sarad and laghts rice still heing harvested. Sugarcan being crushed. Miscellaneous crops going on well. Common rice sells a from 31 to 41 Calcutta scors for the rupee. Fever still lingers and small-per
O .	(39	Huismore,	**	20	Nil	reported. [Weather-seasonable. The harvesting of cold-weather crops is in progress Small-pox, measles, and cattle-disease reported from parts.
CI	HOTA	NAGPORE.		mlier		
4	40	Haziringgo,		. 20 '	82 Nil	Weather—cold and clear. Prospects of rubbee continue fair, but rain much wanted Rice 25 seers per rupee. Cattle disease reported from several thanas. Published the rupe.
	. 41	Lohardugga,))	21	" Nil	health generally good. Weather—bright and told. Bain wanted for ploughing at head-quarter and for rubber in Palamow. Prices steady. Cattle-disease reported here an
	42	Singbnoom,	12	20	" Nil	there. Weather-warm and without change during the week. Rain much wanted
,	43	Manbhoom,	0	21	" Nii	Cold-weather crops getting injured for want of them. General health good. Weather—seasonable. Prospects of standing drops good. Public health generall good.

Published for general information.

CALTUTTA, STATISTICAL DEPT.,
The 24th January 1882.

COLMAN MACAULAT,

Offg. Secy. to the Goot. of Bengat.,

RETAIL PRICES-CURRENT of Food-grams, Firewood, and Salt in the

QUANTITIES PER RUPER BY

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In the sub-divisions price of common rice varies from 185 to 32 seers, per inpec.

In the interior prices range as follow: — Wheat 18 seers, barley 38 to 60 seers, best rice 21 to 23 seers common rice 27 to 83 seers, grap 31 to 26% areas, firewood 120 seers, and salt 50% to 10 seers.

In the interior prices range as follow: — Wheat 12 to 18 seers, barley 26 to 30 seers, but it can be seers, common rice 27 to 32 seers, common rice 26 to 42 seers, grap 10 to 24 seers, grap 12 to 25 seers, and salt 5% to 12 seers.

In the interior prices range as follow: — Wheat 18 to 25 seers, bast rice 20 to 38 seers, common rice 27 to 38 seers, grap 16 to 27% seers.

In the interior prices range as follow: — Wheat 18 to 20 seers.

In the interior prices range as follow: — Best rice 16 to 26% seers, common rice 21 to 26% seers, firewood 84 to 200 seers, and salt 8 to 18 seers.

In the interior prices range as follow:—Best rice 18 to 29 meets, berley 19 to 32 meets, best rice 10 to 22 meets, common rice 20 to 30 meets, gram 18 to 23 meets, fireward 100 to 100 meets, and walt 9 to 10 meets, best rice 9 to 20 meets, common rice 20 to 30 meets, gram 18 to 23 meets, fireward 100 to 100 meets, and walt 9 to 10 meets, best rice 9 to 20 meets, common rice 23 to 30 meets, and walt 8 to 10 meets, best rice 9 to 25 meets, and walt 8 to 10 meets.

15 to 4 manuels, and walt 8 to 85 meets.

24 to 4 manuels, and walt 8 to 85 meets.

25 to 4 manuels, and walt 8 to 85 meets.

26 to 81 meets person range as follow:—Wheat 14 to 19 meets, hardey 40 to 55 meets, best rice 16 to 274 meets, common race 27 to 324 meets, gram 24 to 81 meets, firewood 100 to 140 meets, and walt 9 to 94 meets.

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MERICAN MEDICAL CHARLES CHARLES	AWRE	Mate	or lu	
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27 to 60 seers.

28 to 6 manuels, and sait 8 to 19 seers.

29 to 6 manuels, and sait 8 to 6; seers.

ABLE-BODIED AGRICULTURAL LAUGUERE.

AVERAGE WAGES PER MONTH.

SECROR HORSE-KREPKE.

COMMON MASON, CARPENTER, OR BLACKSMITE.

Districts of Bengal for the Fortnight ending 15th January 1882.

WHOLESALE PRICES PER MAUND OF 40 SEERS.

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SALT.

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¹ In Baiguage prices are—Wheat 19 seers, best vice 96% evers, common vice 37% seers, gram 15 seers, firewood 160 seers, and ask 3 to 3% seers.

J in the interior prices range as follow:—Where is to 16% seers, barley (in Bagdogra) lef seers, best vice 16 to 34 seers, quanton vice 30 to 38 seers, gram 13 to 12% seers, firewood 50 to 160 seers, and sak 3 to 3% seers, gram 18 seers, and sak 9 seers.

E In Sarsiguage prices are—Wheat 24 seers, best vice 10% seers, common vice 35 seers, gram 18 seers, and sak 9 seers.

L In the interior prices range as follow:—Wheat (in Silliguri) B seers, best vice 16 to 16 seers, and sak 50 to 7 vers.

M In the interior prices range as follow:—Wheat (in Bodn) 8 seers, best vice 16 to 17 vers, document vice 16 to 30 vers, gram 8 to 16 vers, firewood 46 to 66 vers, and sak 6% to 38 seers.

N In the interior prices vange as follow:—Wheat (in Jafferguage) 34 seers, barley (in Jafferguage) 53% seers, best vice 16 to 30 vers, common vice 36 to 35% seers, jume 22 to 30 vers, and sak 5 to 120 seers, and sak 5 to 10 vers.

O In the interior prices range as follow:—Wheat (in Gostundo) 36 seers, best vice 23 to 27 seers, common vice 38 to 33 mers, gram 18 to 30 vers, and sak 5 to 37 vers.

P In the interior prices range as follow:—Wheat (in Gostundo) 36 seers, best vice 25 to 36 vers, gram 10 to 20 seers, firewood 60 to 200 seers, and sak 5 to 3 vers.

P In the interior prices range as follow:—Wheat 10 to 18% seers, document vice 25 to 36 vers, gram 10 to 20 seers, firewood 60 to 200 seers, and sak 5 to 3 vers.

P In the interior prices range as follow:—Wheat 10 to 18% seers, best vice 10 to 35 vers, common vice 26 to 36 vers, gram 10 to 20 seers, firewood 60 to 200 seers, and sak 5 to 3 vers.

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RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

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In the interior price of common rice varies from 27½ to 34½ seers per rapes.

In the interior prices range as follow:—Best rice 19 to 35 seers, common rice 26 to 39 seers, firewood (in Coa's Es ar) 316 seers, and eals 8 to 9 seers.

In the interior prices range as follow:—Best rice 19 to 35 seers, common rice 26 to 40 seers, and eals 7 to 10 seers.

In the interior prices range as follow:—Wheat 18½ to 17 seers, brains 36 to 40 seers, best rice 1½ to 16 seers, common rice 18 to 25 seers, business-unlist (in Buxar) 30 seers, grain 25 to 35 seers, interior prices are—Wheat 18 seers, battley 50 seers, best rice 19 seers, leaser miliets 40 to 31 seers, make or Indian-com 30 seers, grain 35 seers, firewood 5 mannts, and salt 9 seers, parameter prices range as follow:—Wheat 30 to 25 seers, barley 43 to 70 seems, best rice 18 to 28 seers, common rice 28 to 25 seers, leaser miliets 67 to 85 seers, incline or Indian-corn 85 to 90 seers, grain 28 to 42 seers, firewood (in Bettish) 180 seers, and salt 7½ to 93 seers, leaser see 12½ to 20 seers, common rice 28 to 25½ seers, leaser seers, make or Indian-corn 85 to 90 seers, grain 25 to 80 seers, common rice 28 to 25½ seers, leaser seers, leaser seers, leaser miliets 65 to 60 seers, make or Indian corn 60 to 45 seers, grain 30 to 37 seers, firewood 4 mannts, and salt 8 to 9 seers, firewood 4 mannts, leaser miliets 65 to 60 seers, make or Indian corn 60 to 45 seers, grain 30 to 37 seers, firewood 4 mannts, and salt 8 to 9 seers, firewood 4 mannts, firewood 4 mannts, leaser miliets 65 to 60 seers, make or Indian corn 60 to 45 seers, grain 30 to 87 seers, firewood 4 mannts, and salt 8 to 9 seers, firewood 4 mannts, firewood 4 mannts, firewood 5 seers, firewood 5 seers, firewood 5 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood 6 seers, firewood

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WHOLESALE PRICES PER MAUND! . AVERAGE WAGES PER MONTH

districts of Bengal for the Fortnight ending 15th January 1882 .- (Coneld:)

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In the interior prices range as follow: —Wheat 14 to 25 meers, barley (in Sopols) 50 meers, best rice 33 to 32 meers, common rice 23 to 375 meers, leger millets 40 to 70 meers, manne of Indian-curu (in Banks) I manned, grain 35 to 33 meers, firstwood 4 manneds, and salt 8 to 81 meers.

In the interior prices range as follow: —Wheat 13 to 16 meers, barley 40 meers, best rice 16 to 38 meers, common rice 28 to 40 meers, and salt 8 to 100 meers, and salt 8 meers, best rice 15 meers, common rice 24 to 27 meers, lesser millets (in to 80 meers, masse of Indian-corn 35 to 40 meers, best rice 28 meers, birdwood 200 to 320 meers, and salt 8) meers.

Et 1n technique to prices are —Wheat 23 meers, best rice 28 meers, common rice 34 meers, firstwood 5 meers, and salt 8) meers.

Et 1n technique optices are —Wheat 23 meers, best rice 28 meers, common rice 34 meers, firstwood 5 meaning, and alt 8 meers.

Et 1n technique optices range as follow: —Wheat 13 to 10 meers, best rice 45 meers, common rice 32 to 35 meers, grain 13 to 20 meers, included in Govindpore) do meers, maine or Indian-corn (in Burrabasar) 70 meers, grain 13 to 22 meers, firstwood 6 to 32 meers, desired in and alt 8 to 10 meers, maine or Indian-corn (in Burrabasar) 70 meers, grain 13 to 22 meers, firstwood 6 to 32 meers, desired in and alt 8 to 10 meers, maine or Indian-corn (in Burrabasar) 70 meers, grain 13 to 22 meers, firstwood 6 to 32 meers, f

WHOLESALE PRICES-CURRENT of Food-grame, Firewood, and Salt in

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CALCUTTA,

The 24th January 1882.

the undermentioned Marts of Bengal for the Fortnight ending 15th January 1882.

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Published for general information.

COLMAN MACAULAY, Offy. Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 15th to 21st January 1882

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The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a that ched shed open at the sides, and are anspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86,

formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction of the movement of the wind are taken from the trace of a Beckley's anemograph. The mouth of the rain-gauge is one foot above the ground.

= fog, a dew.

METROROLOGICAL OFFICE, INDIA. The 23rd January 1882.

ALEXANDER PEBLER, For Offg. Meteorological Reporter to the Government of India-

Results of the Thermometrical Observations taken at the Meteorological Office, Chewringhee, from 15th to 21st January 1882.

	3				hala III . "		TEMPES.	LTURN.		,	THEOMETER		
7	MORTE			4		Mean	Matimum	Range.	Minimus.	Vapour tension	Dew Point.	- Hamidity.	Rain
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,	The c	xtrem	e va	riatio	n of :		en days ture dur ; the sev	ing the		yp	414	67·4 23·3 80·0	
	The n	acan r	elati	ive hu	midi	y durin	g the sc	ven days	•		,14	% 62	
	The 1	otal f	all o	f rain	from	läth t	o 21st J	anuary l	1882		***	Inches.	

The mean temperature is obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

The means of the hygremetric elements are the crude means of the values derived from the

three readings of the instruments.

METROROLOGICAL OFFICE, INDIA,

The 23rd January 1882.

ALEXANDER PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing the total amount of Traffic and Tolls on the Canals for the month of November 1881.

ORISSA CIRCLE.

Kendrapara Canal and its Branch to Gundahia on the Gobri River.

LENGTH OF CANAL OPEN-54 MILES.

							4	
1		AT12	15 3 12	T-NSAGI e	r Boars	Ton-	, п	Rate of
Nature of cargo.		Words of Journey	Value of a section	Manuals,	Tonic.	Har Resslage .	Tollage.	ton-mile
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28 Pauld		2,500	5,100	7. 16. 1	155	4,380	74 10 0	
55 Passengers (950 in number)		•		Page 1	1/10	21,200	B70 St 8	1.00.00
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2 Timbers		50.1	900)	0.23	Ü.	\$158	21 15 (
46b Tu	tnl	17270	1,50,400	1,13,140	4701	1,1829E	2,000 6 8	0 3:7
355 : Total of same month last ye	ar ni	18,9 -4	1,15,390	79,214	2,610	(0.034)	3,670 4	0.04
MISCELLANGOVA.								
5 Bambook (28,15) in number)			259	***			28 4 3	5
Lors (22 n namber)			10	1	1000		0 0	
Timbers (83 in number)			2.01				18 4 3	
	. 1		East			-:	41.75	
6 To	tul	1	P(0)				39 15 0	1
35 Putal of same month last yet	17		724				559 d 1	. tetres

^{*} In comparing with the corresponding month of last year the provide trade shows an increase of its 72s, which is due to the increase of stalls to items (rec., passengers, juggery, indee, and empties,

(2)-STORES AND MATERIALS FOR IRRIGATION WORKS.

					* -				
1 16 1	Empty bools Firewood Laterite stone Stores, &c.		63 4,2 0 100	6 16 600	1,275 154 8,490 2,0	45 5 300 !	1,752 80 12,609 224	17 11 6 3 1 4 0 7 965 11 0 6 5 0 (44
26	Total		4,350	670	\$9,002	255	11,720	201 2 6	0 4.0
- 11	Total of same month last year	,,,	\$r.10	16	1,755	110	1,070	39 7 G	0 5-8
	Miscellaneous.								
	Bamboos 12,000 Econts passed free!		411111	150		1-11		11 4 0	8+1-1+
P	Total			150				11 4 0	
96	Total of same month last your			41		411461		******	111100

¹ A memorandum of free bouts is attached.

	······································	418	TRACT.					
445 85	Private, including miscellaneous Government stores, including miscellaneous	87,670 4,550	1,57,615 720	1,18,146 9,052	4.0.FT 856	1,49,204 14,726	2,979 6 8 302 d c 7	45.01.
680	Grand Total	42,220	1,57,785	1,20,096	4,306	1,03,030	3,281 12 21	
497	Grand Total of same mouth isseyear	19,860	1,14,110	78,540	2,905	95,017	1,289 14 2	10000

² Of this, Re. 4 8-5-6 is the total collection of Gobree Canal locks, and Re. 2,855-3-6 is the collection of Kemirapara Canal locks.

	Kendr	apara C	anal—c	oneluded.				
	Unrecovered belance on the int of th		maco.				6. A. P. 10 S 7	•
	Argount of tolinge for the mouth					3,1	31 12 + S	
	Amount dradited in the accounts for	the month				G.10 3.16	11 16 0	
	Balance at the end of the month					# 4,00	23 H G	
			. оу Рави	4		T	llage	
	Particuland,	N	o. of beats.	Maundage	Tonn	real	uzable.	
	Bassenger boats of Government officials on d	aty	b	1,007	n -		A. F. 2 6 0	
	* Te	ntai	9	3,007		A 2	32 6 0	
	High	h Lerel	Canat, I	ange 1.				,
				—84 ми	ES.			
y						. ,		
	Yahara al ausan	AFFROX	TALATE	TONNAGE O	P BOATS.	Ton-	Tollage.	Rate of
Numbers Boats.	Nuture of cargo,	Weight of Sargo.	Value of canco.	Maunds.	Tons.	milange.		toll per ton-mile.
	· · · · · · · · · · · · · · · · · · ·	LOCAL	TRAFF	ie.				
	*		RIVATE.					
		Max.	IO.				Back, p.	A. T.
1	Castor seeds Chulk	7 800 100	2,000 400	1,053	10	1,000	3 4 0	1 ::::
1 25 2	Empty boats	20 \$	40 F00	2 7 2 2	10 10 10	. 158 12.936 8.62	0 12 h 26 6 0	1000
K	Hides	170	1,500	997	12	10-	9 15 0 7 8 0 7 2 0	. h
4	Mineellaneous Paidy	80 0 L	1,410	57.5	2	160m	11 6 0	11.3
18	Passengers (127 in number)	190	2,660	1,1166	15 -51	1, 802	36 13 N 40 13 0	
E is	Salt fish	3040	1,500	1898 2070	18	21 12 210 270	12 D 6	
1 2	Tunter	10 2a .	290 1000	55	ń 1	es.	1 6 6	6 111.1
1	Turners	101	500	512		144	3 0 6	1
BE	Total of mane month last year	2,541	11,680	9,522	544	11.134	190 15 30	0 3 2
100	Miscellandors.	F.11	11240				207 8 9	0 318
p. p. 1	Bamboos (8,400 in number)		160				7.14 0	1
	Total .		30				7.16.0	
111	Total of some month last your		55				4 8 0	
-	In comparing with the corresponding month of	last year, t'	he privata tr	nde shaws a	deeraase o	f Rs. 14, w)	tielt is date to	the fulling
of lo He	traffic in Items gaugedly, passengers, emptos, &c (2)—STORES AN							The state of the s
3.6	Iron brithes. So		1 1 1	1,039	41	1, 04	33 4 0 27 8 9	
31	Stores, &c.	\$10 this	120	12 9/5 870	462 31	1 12070 ×	64 8 0 61 6 0	
67	Total	7,000	120	j Hilton	679	1,700	166 8 0	0 49
49	Total of sume mouth last year	6,500	90	Elijapst	470	1.395	60 0 0	0 9 2
	MISCRLLANBOUS.	_				1		
- 6	Boats passed freet	Fir						
- 6	Total of santo month last year						<u> </u>	
						1		
	† A the		f free boats STRACT.	is attached.				
				I				i
51	Private, including miscellaneous	2,590	11,990	9,521	359	11,101	188 18 9	111.4
78	Government stores, including remedilaneous	7,004	12,050	29,831	1,931	17,000	343 5 0	
151	Grand Total of same month last year	8,230	11,665	23,069	825	12,498	279 7 9	
	, ,							
	Unrecovered balance on the let of the		Мимо.	112		211	8. A. P. 88 12 3	
	Amount of tollege for the mouth	4			Total	_	19 ± 9	
	• Amount credited in the accounts for	the month			Total		50 2 3	
	Balance at the end of the month	144	-47			12	70 15 0	
	Daniel Control		PRES BOA		in War	T.	allage.	
	Particulars.	*	No. of boats	. Maundag	e. Tonz	ulter 100	lizable.	1
	Passenger boats passed for Government office	late on duby	ß	700			13 2 0	
		Tpial	. 0	709		28	13 1, 0	
di .								

0		APPRO	RIMATE	TORRABE O				The day of
Number bowts.	Nubure of cargo.	Weight of	taine of enrice	Manuds.	Tons.	Ton- milesge.	Tollage.	Rate of ton-mile
			TRAFF	IC.				
		1-7			·			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sinces C los Un los Simples Simples Simples Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes Jana Comes	Meis 2004 2006 1.488 2005 1.0 2 100	1,170 500 9,000 9,000 25 900 25 174 148 9,000	##1 ##1 ##2 # 270 1,002 ##0 ##1 1,002 25,170	11 16 114 19 84 11 16 58	281 114 244 85 342 351 10 88	80 A. P. 6 D 5 20 D 5 2	10100
21	Ещиз		·_	5.030	105	NUM	8 5 5	
61	Totai	43(5)	14.002	7 St 610	1,236	2000 1	197 8 6	0 7
jkč.	Total of same mouth last year	1398	<u> </u>	28,8 (8	1,010	4 4 4 0	172 10 8	0 11
	MISCRILANEOUS.							
1 66	11 Logs	secola .	in to		FITTE		1 6 6	
	2,800 Brunbpos 1,171 Passengers	145	40		:		4 2 3	
	Total	101	65				8 7 8	
- 6"	Total of same month last year	1000	% 1b	17.71			23, 14 9	N 14.21
	(2)-STORRS AN		are with h	DUL SERVIS	wares	- '		
	(2)—\$10RK\$ A5			-	*			
	N21				1			
	Total							
_								
65	Total of same month last year	16,853	537	34.554	1,244	1.851	11* 5"11	1 00
	MISCELLANEOUS NIL	1						
_	Total							
-'	Total of same mouth last year		-			-		
. 1			1					
		ABS'	TRACT.					
64	Private, meluding unscellancous	4,600	14.457	34,610	1,286	5.999	155 15 7	Liens
64 8	Grand Total	5,650	14.497	34,610	1.286	5,988	155 15 7	
0.6		15,250	8:27 i	63,002	1,263	4,721	314 10 2	
02	Grand Total of same month last year	12,000		***************************************	-,	,		

High Level Canal, Range 11.

Amount credited in the accounts for the month Balance at the end of the month

LENGTH OF CANAL OPEN-121 MILES.

LOCAL TRAFFIC.

(i)-PRIVATE.

	Total of a	BRATTAL ED	ontb	last y	tar	1-7		240		*****	1	6 1	7 ,9	
				270	date	491	101414	220		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Fred .	10 1	4 0	
SCHILL	dongehe	4	410		-17		14-7-1	*****	*****	*41010	146111	7 1	1 0	
	mx (68 to 1			61 7	red	-+-	114164	240	194101	detasy	map Pr	3.	8 0	·
	Total of t	METER TH			7.00/	-11	1,000	6,560	8,815	197	2,165	63	5 3	0
				T	ph field	***	840	6,050	2,904	103	1,251	10	3 6"	U
Lupus	iric					44.	40	200	100		119	0 1	8 0	,
Phones	cere (127	io oue	uber)		+17	***	her day	****	7±0	16	885	B -	ă ă	
Pastly		ad.	4.5			481	50	190	190	6 1	78		a e	1 100
Oit		100.1	***	41		4 11	200	3,900	401 .	16	108		0 0	1941
Houng		-44	h# 1		- 10	101	60	200	120	4	46	31.	6 0	1011
Cheen	bosta		101				F14544	41-51:	023	23	210		7 1	444
Весть			1-0-1		-	- 4.5	\$150 60	1,000	476 125	17	E04		0 G	4111

[•] In comparing with the corresponding amonth of last year, the private trade shows a decrease of Ra. 29, which is due to the falling of of telfac in items gaddy, cauchen, ginkelly, passenders, &c.

Nature of o

	High	Let	et Canel.	Range !	II—conch				
			AFFBOX	INATE	Tonk los of			4	Bata of
hrgo.			Weight of cargo.	Value of	Manuda.	Tons.	Ton- milenge	Tollage.	toli per ton-mile.
	STOR	EB AN	D MATERI	ALS POR	Businagion	Wonk	·		
			Mas.	Ra.	1			Ra. A. P.	Rr. 4.
			1.500	150	230 (34) (1,150)	812 113	10.020 1.1464	150 11 0 19 1 0	22224
			1,300 Vin 18 one i	2課	1,457	770 124 1861s	900 (340 (25 P 0	

							Mas.	Ra.				Ita. A	. r. j	Ric &c
128	Rmpty louts						4 mm 1		함께 456년)	842	10.020	150-1		224 Table
8	Firewood		1.6				1.500	150	20,150	75	1,146%	25] 1) 1 1) 1	alt an
4	Kurkutelia	h		- 11			Was .	298	1,457	824	340	17.1		1000
15H 114	Later to stone	191					18,080 (9,000	2.10	18,100 19	470	11,000 3,000	40071	5 0	
2	Sundries	1.7		481			p (P254)	\$140	331	110	14		í ű	mab
993				, Т	otal		27,450	- (1 - P)	71 pales	2,542	56,821	750 H	1 ()	0.68
78	Total of	86101ê	month	last;	CAP	. ;	3 150	1000	2,918	2511	5,360	-	s n	0 4/9
	Min	CELL	AMBOU	78.		1								
***	Small dongwha	(4 in	numb	nr)		. !					**	1	2 1	
	,			T	ist n.l								1 1	*****
	Total of:	ango i	month	Inst :	renr									
		1						I bi izes						

· ·	*****						
23 Private, including miscellaneous 224 Governmentatores, including miscellaneous	6 III 21,450	2000	2.80 k 71.260	10% 2,542	1,251 30,124	61 6 6 721 12 0	
248 Grand Total	29 (66)	6,181	71.000	27945	\$1,475	564 6 8	*****
55 Grand Total of same mouth hist year	4,415	7.0 %	12, 150	17.7	4,527	155 1 9	101104
				-			
h .	31.83	10.				RH. A. P.	
Unrecovered talance on the let of the amount of tollage for the month		14 P14	mb 15.	 		500 5 9 743 0 6	

Amount credited in the accounts for the worth Balance at the end of the month

High Level Canal, Range III. LENGTH OF CANAL OPEN-61 MILES. LOCAL TRAFFIC.

r 1 16	Empty boats		201	500	# 7 # 20 # 20	1.1 26	13 192	0 5 0 3 12 0 5 12 1	
12	,, Total		200	Milli	1,000	39	273	10.13 13	0.710
11	Total of same month last year		130 (800	1,430	54	87.4	11 4 n	0 50
+++	Nik.			***	141441 -	<u> </u>		. 1	
	Total								
	Total of name month last year	144	1844-8	1.010				27 7 0	

* In comparing with the corresponding month of last year, the private trade shows a decrease of Rs. 29 which is due to the folling off of traffic in items paddy, passengers, and timbers.

		(#)-STORI	BS AN	D MATERIA	ALS FOR TR	RIGATIO:	N WORKS			
2 Aroken 2 Laterite 14 Empty Rubbie 3 Sand	eatobe	118 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		7 000 \$100 \$100	10 10 40	1,45% 5866 2,353 3,7 % 1,32%	50 54 100 124 47	3.9 214 724 624 539	1	
E9		Total		Spote .	FR)	6,558	202	27.30	100 [1 8	0.9
20	sal of same mout	h last year					·			
	Mischusane Nil.	074.	1							
		Total					11-1	.,		
т. Т	otel of earns mont	h but year		-115-7		161.564		.,		F-1.4
1				488	TRACT.					
18 · Private	ancludius miscoli	ancous .		200	800	1,008	90	273	10 13 1	****
25 (Jovern	ment storum, liici	luding mile	613m-	3,000\	60	9,883	352	2,030	100-11 6	*****
41	*a	mnd Total	101	3,200	840	10,078	501	2,303	111 8 7	heres
11 Grand	Ment of same me	niiki imat you	u	150	3,210	1,530	5à	378	38 11 G	
	Unracovered being Amount of tellage			be month		146	-1-		Rs. A. P. 33 3 1 111 8 7	
	1	4					Total	ė ·	143 11 8	

amount credited in the accounts for the month Beingo at the end of the month 149 10 10

SOUTH-WESTERN CIRCLE.

Midnapore Canal,

LENGTH OF CANAL OPEN-58 MILES.

-		APPROXIMATE	TORNAGE OF BOATS			Date of
alts.	Anture of curpo.	Weight of Value of	***	Today Marketta	Tolluge.	Rate of tall per ton-mile.
ben		eargo. cargo.	Matuds. Tons.			F

LOCAL TRAFFIC.

$G := \mathtt{PRIVATE}.$

				Mills	115.	4		1	Es. a, p.	A. F
7.0	- Paris			4.7.70	1714	9,007			70 4 6	*****
16			1	4.570	111	16,800			192 8 6 2	*****
121		-1		1 14 1	2.50	2000			16 14 6 7	
6		FF		1.5	160	82%		***	7 4 4 1	
39			4.4	3.7.5	6.5%	F-55-5			44 2 2 1	
97				\$5 AT 1	4,700	25 (80)			196 10 3	1111
36	Lime .			4.75	434	1.73%		11.0	7 h d	11.00M
27			,	2 (2)	14,12	1,17,5			5 6 6	Midwell
h			* 1	175	1,076				5 25 n	
83				5.191	\$1,11,500	10,855			100 T 6	
				5.1	7,500	I P BIEL			5 11 6	12268
4	DEC 9 E.			185	Maria I	1.1. (10 1 0	1 8 7 9
15				21.104	11,800	1.74%			8 (58 D) at 3	
15				23.45	girling the state	7,200			54 5 8	1-11-6
6.1	Gumy (Ladien)			h, 1	115.0	1.0			1 6 H	1.0110
GÜ	Jute			2500		10 (1)			77.36.6	
1	Mars	4		4.26	361	175		1.00	5 10 0	114
251				Mark Server	2 (,1645)	41400			757 # 8 1 517 10 8	
506				45.419	61,597	1 North			0.10 8	
Ē				19,655	47,41.7	B-2-10			200 15 0	41 144
95 48				6,540		Dicking			7507 (1 3	******
461	Mustard seed	4	41	3,135	21.5 %	2,273			27 14 0	F11122
20				4.713	25,717	17.5 (4)			1.E. 4 H	
10	Out as her			1,030	1	0.957			18 0 6 .	4
15				1.480	22,05.46	10000			80 1 9 1	+- 41
72				5. \$40	21.7.40	7,7691	f		10 F N 10 F	en1
I.	Spices	51E 111	,	1	7.010	150			. 2 3 0 1	11711
16	. Совежнить (62,000 ти ими	iber)		7.47	105	\$ 170			27 4 6 1 11 15 6	116
81	Stress (230 kahana)	416		4-5-7	1.999	15,000		1 - 1 - 41	21 4 6	14911
- 4	Betelanda in	111		1.546	3,600	1,075	111.55	100	44 9 3 1	1.1.1
16		F 1	1 1	21.015	the soft	45,274			499 1 6	4 1 -
73				4,649	11.00	5,175		100.00	106 5 6 1	4
19	all a description of the			57.5	1 20	57.0		1 -01-1	7 1/ 9 .	******
17	Unite (\$6 to number) Under (\$9,000 in number)			2.77	49.5.0	5,570			85 0 3	
4	Homs			7.00	5.750	1.4"5			13 2 6	
1,947	Empty bonts		4			1 - 1 10%		9.00	5001 9 6	-1
1,480	Passenger boats					1.00 (100)			1,000 0 0	
411	I Berel-leaves			\$15.50	12,500	7,540			85 14 0	149 194
14	Gogs and sheep (820 in m	amber)	2.1	10.7	1 1941	L, 100	111.75	111.700	21 0 6	-11100
HZ	Fal piles (3,562 in number	r)		5,070	13,1500	5.7 - 1 1		194 15	136 0 6	101705
- 8	Store plates			200	B. 000	\$1,1475			15% 1 6 2	6.84 - 1.4
55	Gogloti twist and yarn (F			7,430	2,50,175	16,455			15% 1 6 1 17 0 8	1 85 5 p =
11	Po. pieco-gooda (links		,	540	0.800	1615) 1645, p		11811	45 9 0	17.991
23	Curd			1,450	2) 650	gr.,535			200 0 6	
91	Other fibres, yaw			745	5,485	1,776			15 4 8 .	******
3	Plunks			95	150	15.11			3 7 6	
-0	Bubble stones			9.0	120	11.50		1. 1.4	7 T h	Length
î	Soundry wood, 20 in num			56	40	172		2.12	0 10 B	*****
.816		Total	- 1	8,30,745	11,93,964	7.76.710	25,5.00	4,32,665	6,007 9 0	0 3
	Total of share more	th last year	-	8.00.111	10,5%,047	6,60,045	21,813	4,45,931	6,131 8 6	0 29
3,602	Total of same more			8,64,511	19,53,587	6,64,7%3 	20,413	3,05,931 3	G,131 B 6	0 21
1	Mischelysh				1					
	Paniengers (21,716 in num	berj		4-148.	44111	111111	400		624 5 5	******
1	Liemuriage, &c.		can fi	1-1-1-		14	44.4.4	191114	19 11 1	1 = = 0.4.0
16	Bonts passed free	100	194	111	:		201111		14114.	17.318
16		Total	ab.		4.11.				459 B P	*****
		l- t-ar	-						362 1 9	
20	Total of same mont	C 102r 14ms		41.11			84-111	******	202 1 9	
								· · · · · · · · · · · · · · · · · · ·		

(2)-STORES AND MATERIALS FOR IRRIGATION WORKS.

Nú.				Nil.				-
Total		111.,.			101701	+ >>	,,f.,	1111
Total of same month just year	į	80	120	100	8	56	0-14-0	
Мізенили почи. Кіз				Nil.		, •		
* Total		Page PF I					No. of Co.	
Total of same month last year	- 11	.,					C	

Midnapore Canal-confluded.

6		AFFROX	INATH S	Томилява	F BOATE			Rate of
Number bests.	Name of sargo.	Weight of cargo.	Valuent enrgo.	Maunda	Tone.	Ton- milenes.	Tollage.	toliped top-mile
		ΔΤ	STRACT.					
		Mdr.	Br.		1		Ba. A. P.	A. E.
4,882 Privi	sie, including maccilaneous egogyan grubulani, maccilaneous	2,00,745	11,05,55)	7.10.710	25,606	1,22,505	7,185 13 9	10-10-4
4,832	Grand Total	2,38,745	11,05,366	7,00717	25,593	4,21,047	7,135 12 68	,
	nd Total of same month last year .	2,20,171	12,30.107	6,00,846	23,817	4,05,097	6,194 6 6	,

^{*} This includes tell on the Namuoshur channel amounting to Rs. 72-5-6.

MENG.			Ric.	à.	ψ.
Unrecovered beliance on the 1st of the month Amount of tollage for the month					
Amount credited in the accounts for the month	144	Total			
Balance as the end of the month			Spirita	fi.	3

Hidgellee Tidal Canal.

LENGTH OF CANAL OPEN-29 MILES.

LOCAL TRAFFIC.

* m—PRIVATE

4	Potal of sa	min in	conth	lant s			.4.1-						111	_	Di.	4+1
				T	late	i	2,656	1	4,600 (40	.1	0	-,-
Licent	n busing tree		444		771		11.84								_	le:
			994			11.	b b - d = 4						1	-	1)	
	nod humbon.			8 8. 5.	141		20	1	39	107.1	1000		0	0	0.1	
	a of timber						2,436		4,000	144.11			39	I	10	
	engera (420 i						- 4 S 10 1				1	4		17	0	*94
1	Mrs	CR1.L	AREO	UL.												
									1							
	Total of a	me i	month	last	Foat	-4- [751, 190	1.	31,739	\$,10,180	7.2 W	1,000,112	4,148	0	Đ	Đ
1				, T	otal		10,091		71.0fk	1,11,610	4, 38	61,590	1.976	5	3	0
4112	Ciera													_		
1 Dex			1111	1.4	16.1		13	1	35	1.40				13	ä:	
		44.4	- 5-1	110			290		175	1.165	-4		H	ű	6	7.0
	enger houls		41.1	116	***	- 1				28,773			955	Ď	81	
Hon		117	187		1.9		4170		H ² /L of	6,474	1	1	53	0	8.1	
UNEL		pa s	400.00	100			200		3.0 0 1	254			4	8	6	
	W. C. C. C. C. C. C.	44.1	100		1.4		20		X 30	411			- 46 0	. 6 1.1:	3	
				1.1			191		2 to 1	5.0	- 11		0		0	
Palt		111					0.7470		17,210	E 194			62	ļ.	0 }	
	. unrefined		141				2H-		2.61	Fil			0		9	1.6.
	ar, rethred	11					5.5		2.20	1.0	141.00			10	ā,	
	4-nuts	-					1999		1,690	40.7	41	1	.7	4	0.	
bitia		- 1-	- 11				1,116		495	2.34.7			19		14	- 11
	s for thatch		a br				16		.5 }	101			- 0	K	ď.	
Take							2,550		14,15 F	0,000			57	4	0	
	riables						253		352	\$11.1		. '	붠		g.	171
Oila						- 10	19		19	7.7			0-	7	61	
Rice	er oil-seed					.42	1.450		4,270	4,970				11	8 1	
Pad		107				Y i	7,195		8.542	17,7 9		1 1		15	11	
33=1			* 11	- 1	11.5	"	16 (2)()		1,015	**1,6%		11 177		ů.	ői	
Jate						. !	6,0		2, 12 0	15.55		*****	11	B	0	
	an-kooquet gar	LININGS	ni j				1,666		2,124	4.7.7		I control	19 19	13	0	
	word		100				673		178	1.970		1	12		0	141
Tipu	dant u				4.1	1.00	1 1		1176	3355				10	0	
Sau.	d *						2,110		275		the second		70	, D	11	
Su.	Then ware	2.11	6 - 6			1	4.6		1901	5 6.00			17	-1	0	
	oting															

(a) - STORES AND MATERIALS FOR LERIGATION WORKS.

1 Moulding	us ofded	434 757	- 411	200	7,000	800	44	140.00	D 1 0	1911
1 -		Total	B1-	200	1,005	610	14	515	H 1 0	
Te	Manual Labers			\$181 ks						464.0
	• Nil-			\$ halfer			48-444		-111-11	
	a %	Total	411		-11771			1		4
	al of same most!	last year		1+144	200115	141741	*****		41.4119	190

Hidgeliee Tidal Canal-concluded.

-					-	
0		APPROXIMATE.	TORNAGE OF ROLTS.			Rate of
Number hoats.	Nature of carro	Weight of Value of entrue.	Mannda. Tons	Ton- in the street in the stre	Tollege.	ton-mile.

ABSTRACT.

,	Mids	Res			i i	Back, P.	A. P.
1,004 Peilare, meluding miscellaneous	68-607 Voice	75,07 t 1,000	2,13,010	4,05R 36	428,18	1,175 0 8 9 1 0	#4 h +4+ # 66 PB1
1,0v5 Grand Total	118,877	76,071	1,14,140	4.076	616889	1,184 1 8	145 (8)
1,531 Grand Total of same month last year	29 164		2,16,980	7.740	1,83,112	2,209 4 6	4-414-

Жкм с						Es. 4.	P.
Unrecovered balance on the 1st of the month	4					301 6	g
Amount of tollage for the month		÷, .			PF1	1,186 1	3
•							-
			T	otnt		7,435 0	3.
Amount credited in the accounts for the month				49-1	14	1,140 7	3
							-
Balance at the end of the month	11					29 a 15	0

SONE GIRCLE.

Arrah Canal.

LENGTH OF CANAL OPEN-65 MILES.

LOCAL TRAFFIC. ,

(1)-PRIVATE.

7	Total of same o	nonth	lout y	BALF	-77					414119	53	11	9	ыщь
			T	otal	444	Dien		,.			78	1	Ŋ	*****
	29 Rafts of bamboos in number].	and	bullah	an (54	,512			· · · · · ·			73	1	3	+-=
	Мівскіль	LWED1	DB.						1					
	Total of same u	aonth	last y	pair		30,274	07,075	33,535	1,101	24,071	472	ß	3	0 1
-			Ţ	otal		83,540	9-,566	01,010	2,171	1.04.3 (0.4	886	1	3	0 1
	Passengers							751	24	916	10	8	ű	71.11
i	Garco or red paint	186	- 61	141		467	១,ធ្លូវប	5,793	21	1,800	10	8	P	16.0
	Minchine			4-1		116	3,400	100 I	li i	1.02	ì	1	d	
	Comme s and empty cas	No.			771	150	250	519	1N :	2.78	13	13	81	17.0
i	Guriny harry		441		0.7	283.01	2,180	1,000	45.1	\$ 9.40	27	R	0	
	Stone		100			232	237	100	24		16	3	3	-100
. 1	Minstard			4+4	F-	1,312	4.0 M 2.45.1	1.742	42		11	15	3	.1-
ļ	(Juher articles of food	-11-		17		2,616	2,625	0.074	248 -		89	5	3	
1	Wheat	411	111			17,680 · · · · · · · · · · · · · · · · · · ·	28,408 44,153	\$1,000	845 596	61,230 °	247	Pi di	3	*111

(2)-STORES AND MATERIALS FOR IRRIGATION WORKS.

Coa Iron Bron Em	1 100	- 44	124	- 1- - 40 - 40 - 40	1++	144 144 145	100 100 100 100	274 219 1,570	187 067 215	474 619 2.1 H 1,523	16 18 75 67	916 708 4,218 2,250	19 18 6 19 18 6 24 15 6 11 6 8	- A.
					- 31	otuš	141	1,800	689	4,463	158	8,194	55 1 5	0)
	To	tal of	gg.co.e	thou i	i lant y	real.	J	0,965	7,477	8,155	294	11,267	100 7 6	0 1
		Ма	BOETL	VARIO	M.									
1 16	uft of	borj.	becu	and l	سلماليرم	(24)	in	774 441	-44816	,		4	* 0 ,8 4	444.41
					T	lato	[244.41	*****				.4 0 H D	-
					last y									

Arrah Canal-concluded.

to of	•	an APPROX	IN ART	Tosmann o	P BOATS.	i i		Rate e
Number licate.	Mature of carso.	Weight of cargo.	Value of eargo.	Haunda	Tons.	milemite.	Tollage.	toll pa log-mile
		A B	STRACT.					
- 1				-				
		hids.	R.s.				FGH. A. P.	A. P.
10 10	Private, including miscellaneous Gevernment stores, theinding miscellaneous	33,540 + 1,930	92,916 950	41,019 6,663	9,178 156	1.24,349 9,194	959 2 4 \$1 9 8	*****
3+	• Grand Total	35.490	810,045	65,450	9,329	1.50,546	3,0% 11 0*	
60	Grand Total of same month hast year	95 929	74,755	41,100	1,3300	141, 304	020 5 8	

The Eurenso is due to the collection of Main Western Cabal toils made by the Huxar Division on account of this division.

	ивжо.					
						R*. a. *
Singuotered halance on the 1st of the month. Amount of follage for the month. A.			**	14	***	125 1 3
amount of foliage for the parties 2.						By Chief Land
				Total	- 7	1.139 0 0
amount credited in the accounts for the month	71	4				1001 7 2
Balance at the end of the month	18.1					111 8 3

Western Main Canal. .

LENGTH OF CANAL OPEN-22 MILES.

LOCAL TRAFFIC.

(I) - PRIVATE

		-					
21	Wheat God- Miller costs Limones Miller date Miller costs	15.000 500 500 500 500 500	31,890 230 73 1,293 2,000	26,474 875 850 460 5,160	729 12,074	13h n c ₀ 4 3 n 1 6 9 3 8 0 7 3 0	11 × 10 · · · · · · · · · · · · · · · · · ·
85	Total .	17,8 0	80,043	M(r).75	R00 104943 1	140 5 5	0.20
17	Total of wante month last vent	2,870	7,150	#UCST	1972 S,940 f	110 2 0	6 2.4
	Hiscelian bods.	1			!		
2	Execus tell resisted for wrong, calculations	41				3 4 11	
8	Total	' ·				5 4 6	
	Total of same month last year						*****

(2)-STORES AND MATERIALS FOR TERIGATION WOERS.

				. –					
23 3 5	Mill stones		4,000 1,109	480 ¹ 55	10,040 / 1,573 / 600	30t 0 0 12	3,800 300 210	81 14 9 1 8 15 9 3 0 6.	'
31	Total		P.109	455	13,125	468	4,689	96 5 0	0 1"
4	Total of same month last year		1,300	63	1,973	66	1,3155	8 14 6	0 13
		ľ						1	
	Miscellageous.							i	
	NIL	j				Nil.			
101	Total							2411.1	
	Total of some month last your		h.h.bi	10.111	171111	141411			

	4	YB3.	TRACE.						
	1		1					- ,	-
25 21	Private, including miscellansons Gavernment stores, including miscellansons	17,800 { 0,100	36,925 403	21,975 15,165	819 468	33L953 4,030	185 20 96 5	8	٠
69	Grand Total	# Minibility	37,380	86,100	1,287	1×1,003	249 15	3 0	
91	Gund Total of same mouth last year	4,150	7,217	6.825	\$31	9,955	110 1	وا 8	

	Я	EKO.					Ks.	A.	т.
n	Unrecovered balance on the let of the month	40	Prince	- he	111	111	138	В	5
	Amount of tollings for the month	444	41	1 **	PAP	198.5	243	13	3
1	a control of the standard of t				Total	111	397	7	9
	Amount credited in the accounts for the month	***	billet		7111	794	ii, B	-	-
	Malastor at the cud of the month	100-1	44.1		194	n reb	100	ß	0

Paina Canal.

LENGTH OF CANAL OPEN-80 MILES.

		APPROXI:	MATR	TORREGE (P BOATH		1. 1
Number boats.	Nature of cares	Weight of gargo.	Value of gargo.	Mannds.	Zn Tona.	Ton- minimae	Tollege. Interpretation

LOCAL TRAFFIC

(1)-PRIVATE.

1	-												
							Wills.	Rs.				Rs. a. P.	A- 1
1	Rice						715	1714	2.1	1	1.5	0 9 8	
19	Wheat					601	7,600	7 " (5,74)	\$1,905	435	85,503	255 7 0	
11	Salt a.						1,5400	2,130	2 N.179 V	134	10,217	102 10 0	
12	Other foods"				111		8,180	1.0	5.334	793	9,658 (Dio & B	· Ji.,
2	Lansened						201215	7,110	22 1-1-47	1.20	9,78%	100 0 0	
11	Other seeds		5				1.160	55800	1,647	P.4	5,031	Sci. 4: 41	
i .	Clothing					1	240	1,000	107	4	201	e 2 P	1
i	Stones			-			310	150	489	17	1.4 6	27 6 8	B
3 1	Soorker engine								1,219	477	5116	8 8 8	
To I	Misrellancous				. 41		0.590	27,82%	19.475	6463	43.NTH	3908 30 0	
Sign 1	Emply boats	Like							10,000	67.9	23,115	1.0 6 9	1
7	Warran 1						760	921	9.641	24	1,110	6 S P	
_ 1	Liffe)	• • • •				1.							7 17 11
G6				7	otol	1	27,128	C9087 F	(4)(3)(4)	2,310	1,3%,64%	1,221 15 9	0 1
[alle & a					-			- i		- ·	1 77 7 7	
6L	Total of	RWIGHT.	month	last;	FORT		Sades	78,847	111,470	E + E - S	1,08,801	1,325 14 9	0
						1							
							1					r	
												r	
	M.	scrii	LAMEO	ta.			4	ı		:	i	r	
	Samboos and be	illalis	(105,77	e in n	սունու	1	4				 - 	ION B D	
		illalis	(105,77	e in n	սունու	4	4				1	ION B 9	
	Samboos and be	illalis	(105,77	e in n	um ber	7	*						
	Samboos and be	illalis in tiuli	(105,77 uber)	E in n T	otni							17 8 8	a bd adr d all rab

(3)-STORES AND MATERIALS FOR IRRIGATION WORKS.

Building rubble Kunker Kunker Cont Empty boats		:	1,000 510 50 1,030	120 60 50 525	1,674 N18 210 1,914 463	54 20 8 67	1,95% 87.6 1.60 7.60 950	13 6 8 6 6 0 1 10 0 3 15 6 1 # 0	117-14
	Total		2,010 [770	4,873	150	8,401	25 10 8	0 .1
Total of same month	h fast year		6,050	KiN	10,105	22.2	\$ 1485	102 14 3	0 0
Miscritabeo	TR.								
Stemmers paused free Cargo boat ditto		- 111	******			1. 1. 1			*****
OR SA Shirt	Total								
	20101								-

ABSTRACT

F	Private Poveril	ment stores, theirotte miscellancous	27,028 2,610	60,653 773	4,978	2,230 15d	3,38,618	1,551 1 0 · gr5 10 3	411-11
		Grand Total	29,658	SP'BEN	454,914-4	5,460	1,12,022	1,876 12 0	ru 1,000
	Grand	d Total of same munth last year	41,454	h5,453	74,575	2,631	1,58,916	1,767 14 6) I I
	0			Мимо.			<u> 5</u>	t b. A. t.	2.7.
	*	linescovered balance on the lat of the Amount of tellage for the month				-+-	13	70 8 9	
		Withthis of college for pro-mouses	49.	-+	han	Total	-45	70 12 0	
		Amount credited in the accounts for the	ne month		***	4 OP BE	A	7 7 9 4	
		Balance at the and of the month	rae etd	14-	tin e	49-7	10	A) -B &	

+ Buxgr Candl.

LENGTH OF CANAL OPEN-44 MILES.

Nature of cargo. Walnest of Value of Namesta Took mileage, took	6 9	•	APPROXIMATE	Townson	r Bara		
cargo. cargo.	formber boats.	Nature of cargo.			Total.	Tollage.	Rate of tool per too-mile

LOCAL TRAFFIC.

(1)-PRIVATE.

					_							
						Mass	Bs.				Ra. A. g.	A. P.
12	Wheat.					2,979	5.959	5,689	1 165	Tinex	71 11 6	
1	India.					7.9	766	700	2.5	425	4 G F	
i	Mownh	141				381	768	[4:0	1 16	42 100	8 8 0	
2	Kundy	121					1	764 k	1.9	5.15.	10 T to	
1	Guor							9.4	11	3.3	1 15 6	
1	Cloth					9.5	250	150		dypay	8 0 6	
1	. Ekhior nitreline					4 150	Cert	250	1 14	Lychen	5 0 0	
i	Empty bags					40	10.0	7.0	-	150	1 8 0	
í	Furniture					34 15	langer .	65.0	1.0	15 d m	9 13 6	
3	Piterika am					1801	571	250	. 9	4 4	3 2 6	
ī	Kankur							2,7101	1 100	1,920	10.15 8	15.
161	Brighty heats	40-						1.497	. 57	1.836	10 13 0	1
1	Passenger bost	111	181	1-4				7.5	5	j tesi	1 0 6	
46	į,			Tot	at	4,516	9,913	10.773	450	14,354	185 7 9	0.10
16	Total of	илие:	month	last ve	ar	1,410	K4	5.00	17.4	1.338	17 11 9	0 48
											-7 -0 0	B 0 13
	W- 4											
	10 00	CELT	AMEDIA	CH,								
	Doddood to the				1							
	Raft of bullaha		111			H		414	140 -		0.4.0	
144			lancer bea				-	141.00			12 11 3	
MI	Do. bullahs	fifther i	THEY IN	n P	ro oʻ						33 10 0	
				Tot	iai		*1.1	*****			90.7.0	
	Total of :	unine	month	hat yes	ar an							

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

7 8 18 1	Stones	:: [0.350 4763	HIN HA	\$480 4,910	\$2.12 5 \$2.00 0	
3.8	Total	'			7,5 5	262	1.14.0	58 8 11	0 1:0
27	Total of same mouth last year	-10-1	110	40	4.5150	171	5,14.	20 I 9	9 11
	MISCELLANEOUS.	- 1							
	Nil.								
	Total				1111	14.4			
111	Total of same month fast year			-+4-1.					

ABSTRACT.

40 to	Private, including miscellanes us Governmentatores, including muscellaneous	4.416	9,9,3	12,733	464 464	14,391 9,483	181 14 9 53 8 11	1021
BL	Grand Fotal	6.03	9.913	20,179	711	4.50,55	233 7 3	
63	Grand Total of muse menth last year	1,620	184	8,220	233	4,700	37 15 8	195 4.61
	9 • 1		and November	r 1680.	:		- · ·	
	•							,

	MO.					B.6.	<u>.</u>	P.	
Unrecovered balance on the let of the month		- 5-1			444	63	8	а	
Amount of tellage for the month	194	h# h	144	*40	No.	235	7	8	
				Total		503	0	2	
Amount tradited in the seconds for the month	-++	100	100		-4, p	291	-6	2	,
		4							
Balance at also and of the month	FIF	151	-00	**1	194	14	U	U	
						- ,		_	

ABSTRACT.

grand migrature in the second		*	1	,	
	TRATFIC	, 1881-52.	TRAPPIC	. 1880-67.	
CANALA.			Darms the	To end of the	Runfatte.
· wi	During the	the month	corresponding :	corresponding in a month.	4
				1	
ORISSA CINCLE	Rot. A. F.	Rs. A. P.	Re. A. P.	Ils. A. P.	
Kondrapára (Bligh Javel, Rance : Taidanda Hack Lavel, Rance 11	8,261 16 2 345 6 9 155 15 7 1763 0 0	15,474 0 8 15,47 14 0 11,57 7 11 4,04, 0 8 1,57 8 6	2,280 14 2 279 7 9 314 10 8 132 1 0 38 11 0	15,525 18 6 1 2,074 12 6 1,545 15 11 1,540 12 0 257 6 1 (
Total Orisen Girels	4,617 10 7	15,000,000,00	5,027 12 30	21,539, 31, 11	,
SOUTH-WESTREW CIRCLE Mindeshore Tidni	1 1,551 1 5 1 1,551 1 5	61,700 11 0 52,621 15 3	6,494 (0 S 9,279 (4 G	52,810 0 6 3 55,065 14 8	4
Your South-Western Circle	6,9-0-14 (94 10 3	5,760 7 9	\$1,875, 15 0	1
SORE CIECLE Arrelt Western Main Patna Burar	1,014 11 to 20 15 to 4 to 4 to 5 8	93.50 15 0 53.55 0 3 53.5 0 4 1.5 52 0	110 1 3	8,185-14 D 4,274-41 D 25,161 T B 57-18 B	
Total Sone Circle	1377 H. S	B 68 8 1	#2.05E 5 9	26,000,14,-0	
	M.,863 7 3	1.15,025 6 4	14,802 10 4	100/853 h 8	

GOVERNMENT TRANSPORT SERVICE.

			TEA	ΕľΙ	r, 1881-6:	2.	ď	ļ				TRA	PP	ic,]8066-[6]				
	Dur	ng th	e mont!	lı.	Te or	il of t	– he zaou	th.	Du	ring	the c	orresp outh.	mi	1-		id of t			
Canals	**Dascutter*	Goods.	Total preeigts.		Passenge re.	Goods,	Total Precipits.			Inssenteers.	Goods.	STATE OF THE PARTY	Team in the state of		Pattengers	Goods, -	Total percipts.	4	
ORISSA CIRCLE.	80.0	Male	Be.	A. T	No.	Mids.	lts.	AL E.	l S	10.	Mds.	Ba.	Α,	25.	No.	Mdn.	Ra.	a. P	4
Kandrapara, Goles, and Tal- dunds Righ Level	744			15 3	8 : 5,942	778	18,586 620	k](14	73 72		3,102 98	9 3	10 °	8,125 1,537	2,652 1,122	18,919	18 D	5
Total Orissa Circle	965	174	2,144	h :	3 9,245	1,767	19,208	9 1	1,1,1	845	515	1,880	И	7	0,665	8,774	19,690	0	7
Bourn-Western Circum.					0 (22,59)										17,500 17,500		_		9
Total South-Western Circle	3,014	100	1,780	fi	0 92,581	2,541,	11,388	0_	1 2,	MONG		1100		_	F.1.10011		0,019		-
Sowe Circle. Arrah Kamera Maio and Pates Western Main and Euror	1,500	21419 11759	1,049	6	0 19,257 0 5,179 6 7,902	36,693	4.512	10.5				11	1412	_	41-	8,691 5,619	5,780		_
Total Sone Circle	7.ETC	7,130	2,607	12	0.18407	66,281	25,478				25,074				17,212				_
GRAND TOTAL	9,1902	\$,650	-,889	d	() (SIDAG)	71,946	56,074	141	0, 7	,#Hp. I	0,846	7,591	-5	10	41/407	23,500	11,041	10	7

^{*} Trame per Government Transport Service in the Western Main and Baxar Canals shown for the first time in this statement.

TOTAL NAVIGATION RECEIPTS.

			j	FARRINGS	, 1891-92.	EARNINGS.	1880-8L .	
			-				40 1 41	ROMARES.
				During the mouth.	To end of the mouth.	During the corresponding month.	To ond of the corresponding numbers	₽
		 		Ra. A. F.	Es a. P.	Ro. A. P.	Ra. 4, P.	
							41,136 2 6	
nsa Ci duamore dgelliso	annin	 ***	100	6,812 2 10 8,721 12 9 1,184 1 3 6,483 1 8	70,109 J1 0 30,001 J8 8 0,006 7 6	7,168 11 0 7,077 10 0 1, 2,200 4 6 4,601 7 3	41,136 2 6 66,543 7 8 35,665 14 6 40,158 12 06	

G. F. E. S. NEILL, Major, M.S.O.,

Aust. Sacy, to the Government of Bengal,

Pr W. Dept.

CALCUTTA, The 18th January 1882.

Report on Traffic of the East indian Railway for five weeks ending . 26th November 1881.

Tan approximate figures for the period are as follow :---

1	,			Cos	obing.		òds.	Total,	Berenor Charling	account, in-
				No.	Ra.	31 da.	Tis.	Ω_h	Mds.	. Rs.
4681 •		, ,	***	811,17% 805,88%	19,72,364° 13,47,557	60.63,573 98.54,247	20,10,053 20,14,250	12,85,751 44,81,948	24.86.472 21,70,697	1,28,627 78,970
Increase			-41	6,316		0,00,025	60 097		3,14,035	47,648
Decresse		*		11	75,188	11.18**		67100		21

resulting in a decrease on the wholestraffic of '142 or 1.7th per cent

COACHING.

The following statement exhibits the fluctuations in the passenger traffic at the several stations: —

**Coaching Traffic during five weeks ending 26th November 1851.

				INC	GEARGS.	
				No.	Re.	
	*11		- 1-4	9,300	19,100	Jaguadhatree Pooja, Huribar Chattra Mela, Rashjattra, and Government Remounts to Dinaporo, Agra Fort, Lucknew and Morar a
	411	F#4		1,400	4,400	Extra troops to Allahubal, and 3rd class passengers to Backpore, Senares, Amut and Allahubad.
***	-41	41+	140	1,000	9,300	Troops traffic, Covernment stores and specie to Howrah and fed coss passengers to Benares, Lawapore and Acras.
	Y	•••		1,700 5 (D		Somepere Fair, and 3rd class passengers to Bankspore. Passengers returned after submitting lakes rent to collector.
F- 4		• • • •	-11	0,700	600	Third class passengers.
1		Total Increase	1-4	17,600	32,350	
•				1	THORRAGES.	
4				No.	\mathbf{R}_{k} .	. 49
hb v	+44	, , , , , , , , , , , , , , , , , , ,	146		2,400	His Highwas the Maharajah of Cooch Behar's special train to Howash, and 3rd class passengers to Benaras, Budyanath and Pankipore.
40.1				-9-	7,409	Juggerneth adgrans.
	1.1		rhi	2,600	4,700	Through traffic with Gya line and passengers returned from "opopore Fair.
		***		171.12	4,300	Third class passengers to Buildyanath, Bankipore and thouralt.
		8.13		1.51	2,800	Dewnly festival at Mutura.
				4,600	7,0101}	Passengers not travelled to Gya pilgrimago.
425				1,500	1,600	Through booking with Tirhoot State Railway.
1-01				2,800	2,700	Ditto ditto ditto.
HH	**1	100		111184	1,4-0	Government passengers to Dholepur, and anall bodies of troops to Sanebrunge.
			144	500	840	Conly emigrants to Howrah.
***		P4 v		āuo	800	Passengers to Bankipore, Benaies, Mirzapore and Jub-
lv .				7011	2.160	Cook s to Howrah, Butt-sur Fair and Muttra pilvrings.
						Coolies to Howrah, and 3rd class possengers to Banki-
111	72.1	-1.				pore, Mirrapore and Allahabad,
	84.4	***	4.44			Hattesur Fair.
***		9.11	444	500	1,000	Gyn pilgrims
		Total Decrease	114	10,000	44,700	
	200 W W W W W W W W W W W W W W W W W W		Total Increase	Total Increase	No. 0,300 1,400 1,700 1,700 Total Increase 17,501 No. 2,000 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500 1,500 2,500	1,400

		Increase.	Decrease
7779.60	Net	 2,000	11,400

During the month of November proper to week ending the 26th idem the following items show decreases: -

" First Class, Ordinary		444				F 4-9	6,397
Ditto, Military	4-9			1.1			3,744
Second Class, Military	B P 1					4 + 1	8,159
Third Crass, Ordinary						1.4	89,530
Ditto. a Mil'tary							37,131
Luggage, Grdinary			441				5,160
Dittiys Military	151	***	++1			110	2,463
Parcels, &co	111			110	4.7*		2,525

It will be seen that the largest decrease appears against third class. Ordinary and Military. The former is due to the absence of the usual movement of prigrims this year to may expeat, and the latter to the annual military reliefs by rail having been very limited.

Choops

The goods traffic has improved to the extent of 2.35 per cent. The following are the staples showing the principal fluctations :-

Інскилаль.

Coal, up and down. Once and vil. Commissariat stores. Wheat. Pulses. Indigo.
Jaggree and sugar.
Opium.
Railway materials (Foreign.)
Salt.

Cobton.

Other grains.

DECREALING.

REMARKS.

The increase

The increase in the opennils coal traffic is principally from thrilin. The increase in the converges countries the colliery stations.

Give and oil ... Mds. 18,600 Ms. 20,396

Of this quantity mannels 6.549 and Rs. 6,783 series from despatches of kerosine-oil from Howrah to up-country civil stations.

The remainder is made quot despatches of give from North-West stations to Rowrah and to luther and chart attions in Contral India cid Jubinolpore.

Gavernment Commissatiot stores

Gavernment Commissatiot stores

Government Commissatiot stores

Government Commissatiot stores

Mds. 6,630 (Rs. 18,140

Consisted chiefly of Judian ten and compressed food for cattle forwarded from Howrah to military stations up country.

Wheat

Described and of the first (Wo washs of the parioi).

Wheat ... Mds. 8,05,130 Rs. 1,50,570
Demands were good during the first two weeks of the period.
The following statement shows the stations where the principal increases and decreases have taken place in despatches:—

Wheat Traffic during five weeks ending 25th November 1881.

Burar	
Bakar	
Chausa	
Chausa	
Hatai	
Aligarh	
Rabria 20.460 14.530 14.530 14.680 25.970 1	
Delki	
Vin Senares	
Via Gheziabad 35.480 24,720 Sikandrabad 10,890 20,370 Total Increase 3,81,350 1,98,000 Decrease 11,740 17,130 Via Campore City 16,190 11,290 5,170 Mongayr 11,570 4,100 Via Aligarh 11,570 4,100 Via Aligarh 13,820 6,000 Burker 79,820 40,980 Falses Mds. 45,000 Rs. 15,820 Total Decrease 3,02,080 1,57,920 Mokameh, Dalhi, Schora Road and cid Jubbulpora show increases. Mds. 7,260 Rs. 22,340 The outtorn this year has greatly improved, hence the larger despatches to Calcutra. Jaggree Mds. 45,940 Rs. 21,750 Shear 52,580 25,670	
Total Decrease 3,81,350 1,98,000	
December 11,740 15,130 1,98,000	
Decreases 11,740 17,130 12,00 12,00 16,000 12,00 14,020 5,170 11,370 4,103 4,1	
Total Decrease Mds. 1,57,920 1,57,92	
Total Decrease Mds. 1,57,920 1,57,92	
Via Cawapore	
Via Cawapore	
Sultangange 14.620 3.176 Mongayr 11.370 4.163 Vià Aligarh 13.820 6.240 Burker 79.820 40.860 Net Increase 3.02,030 1.57,920 Pulses Mds. 48.650 Rs. 15.820 Mokameb, Delhi, Schora Road and ciá Jubbulpora show increases. Mds. 7.260 Rs. 22.340 The outtorn this year has greatly improved, hence the larger despatches to Calcutta. Jaggree Mds. 45,940 Rs. 21,750 Sucar 52,560 25,670	
Mongayr	
Vià Aligarh Buthec Total Decrease Total Decr	
Total Decrease 79.320 40.980 Net Increase 3.02,030 1,57,920 Palses Mds, 43,650 Rs 15,820 Mokameb, Delhi, Schora Road and cid Jubbulpora show increases. Indige Mds, 7,260 Rs 22,340 The outtorn this year has greatly improved, hence the larger despatches to Calcutta. Jaggree Mds, 45,940 Rs, 21,750 Sacar Mds, 45,940 Rs, 21,750 Sacar Mds, 45,940 Rs, 21,750 Sacar Mds, 45,940 Rs, 21,750	
Pulses Mds. 48.600 Rs 15,820 Mokamet, Delhi, Schora Road and cia Jubbulpora show increases. Indige Mds. 7,260 Rs. 22,340 The outtorn this year has greatly improved, hence the larger despatches to Calcutra. Jangaree Mds. 45,940 Rs. 21,750 Sacar Sacar Special School Special	
Palses Mds. 48.600 Rs 15,820 Mokameh, Delhi, Sehora Road and cia Jubbulpora show increases. Indige Lindige The outture this year has greatly improved, hence the larger despatches to Calcutta. Jaggree Mds. 45,910 Rs. 22,340 Sacar 1, 52,560 25,670	
Mokameb, Delhi, Schora Road and cid Jubbulpors show increases. Indige The outturn this year has greatly improved, hence the larger despatches to Calcutra. Jaggree Mds. 45,910 Rs. 22,340 Sacar 1, 52,560	1
Indige The outturn this year has greatly improved, hence the larger despatches to Calcutra. Jaggree Mds. 45,910 Rs. 22,3750 Snear 52,560	
The outtors this year has greatly improved, hence the larger despatches to Calcutta. Jaggree	
Snear	
Sugar 52,560 25,670	
The demand in Central India and in the Punjab bas led to large despatches from the producing districts throughout the Onium Mds, 49,390 kg, 21,100	lie line.
Opium Mds. 49,390 Rs. 21,100 Patns City and Tari Ghat (Ghazipore) are the despatching stations; the increase appears to be due to the eviges	
Government.	neise of
Railway materials (foreign) Mds. 29,280 Rs. 10,520	
This increase is due to the corriage of material from Howrah to Boures for the railway bridge to be constructed or	or the
Gnages.	as Mil
Salt Mds, 1,17,670 Rs. 47,450	
The statement given below will explain the movement of the several descriptions of selt. Despatches of selt during November 1881, principally from the following stations:—	

	FROM-			!	188	1	18%		1 transe	unn.	Don	rcase.
	a, wi -				Mds.	Rs.	Meda.	Ra.	Aldu.	Ra.	Mds.	Re.
era in Auto R. S. it Auto S. S.	* 17				2,60,785 28,508 3,40,200 59,500 66,500	87,045 7,187 44,877 22,830 16,720	8,0 6,051 81,478 1,47,860 66,480	74,295 -0,115 32,050	11.470 68.880 6.120	12,750 11,550 22,850 1,180	12,055	1,64
			Total			g-11.1	4-141		1,52,187	49,700	12,055	1,60
				1-01	77						-	
			Net		F1.41.41	PB1 == F	*** if **		3,80,042	#7,054		41
the Calcus	tton	et is r		711	189			M.Ja.	44,460		97,760	d)
The Calcust	ta marki ico		eported	0# ¹² H	tagnant " v	vith little	r no busine	M.Ja.	44,460	Re.	4:	4:
The Calcust Ri This exaffic	is marki iro felt to it ther grai	in hods	eported mal stat	es " s	toguant" v	vith little o	r no busing	Mds. so for Eur Mds.	44.460 tope 10,010	Ro.	97,760 17,790	4
The Calcust Richard Richard Spatial Control of the Calcust Spatial Control of the Calcust Spatial Richard Research Richard Research Richard Research Richard Research Richard Research Richard Richard Research Richard Res	ta garki ice felt to in ther groi be detain	n nors	eported mal stat	as " al	ioguant" v	vith little coer.	r no busing	Mds. of for Eur Mds. Mds. emand dia Mds.	44,460 e.e. 018,01	Ro. Ro.	97,760 17,790	4
The Calcus Ri This traffic () Last year t There was s	is garki felt to in ther grain he detain on a fair income grad	in hors in , ind in evenue	eported mal stat the Nor	es " a durin	tegnant" v	er, estive; this	year the d	Mds. so for Eur Mds. Mds.	44,460 repe. 10,816 71,030 I not exist to	Rs. Rs. the same	97,760 17,790 15,630 extent.	

The statement appended gives the particulars of the decreases at stations :-

Seeds Traffic during five weeks ending 26th November 1881.

W 2			INC	REALES.			
Vid Benaros	100			*		Mds. 29,870	Re. 12,270
				Total Increase	149	20,870	12,270
	3		Dr	CREADES.	•		
						Mils.	T(n.
Jamonee	11.1		4	100		3.590	1.050
Paten Chit						45,550	18,3890
Saran Road				Fa I	114	4.160	1,940
Sutma	+-1	107		1-4	119	6.270	1.330
Birntlin			4.1	411		3.040	900
Mathar			* * * * * * * * * * * * * * * * * * * *			1,690	2,460
Camphore City				414		66, 190	34,680
Aligavlı	*14			1		6,070	1,280
Viå Barrk 60-21	24.8	4				27,430	10,210
. Hathras Road						5.630	820
•			. 1	otal Decrease		1,61,440	73 660
				M . 1			

The train mileage for the period has been, excluding maintenance and locometive coal—

*				-1ra	in Milenge.		
					Cauching.	Quada.	Tetal
1RAL	10.7	++4	HI -		251,694	457 590	70 4 - 08
1880	861	h			254,530	455.715	707,1965
							-
Increase	44+	9.81	511		2916	2.773	2,770
Dipersuse				7			

Karnings per trainquile, excluding materials carried on Maintenance and Revenue account-

1681 1680	F1+	•	m+s	19 111	Conclude, Hs. A P 5 0 10 5 5 9	Guoda. Rai A. P. 6 2 10 6 1 0	Total. Ra. A F. a 12 9 5 10 2
Increase Duccease	114	. h-1		100	0 4 11	0 1 10	0 0 6

Shunting mileage, increase-hours 2,131.

EAST INDIAN RAILWAY.

Statement showing the Totals and Increases and Decreases of Staples during five weeks ending 26th November 1881.

							į	Wato	HT.	AMO	UNT.		25	91.	
		₿	TAPI	6.9											
•							- 1	1850	IBSL	Taju.	1881	1.000	5-67	Deer	CLSC.
							į.	31-13.	Mas	114	11.	At Lan	11.5	Morse	Ra.
eer. Comm	nlader	J.T		147				3,0.0	6.300				4210	211 (3)	
n not t				140		111		\$ 1.141	8,5 0	7.0	5,1			. 100	
otelmats a			111	177	9-49			2000	Homore	11,000	200			21.7 her	
hate eton	£ 21215			***	F 97		- i	1, 391	1.77	1.114	10 , 1			E->	1
mas madel	is Insaulty	616	He		111	4	4	25 - 40	1	17.57	14.150			5 6.4	
ricka .	917	× 04	10.00	544	***			7.570	4,471	2.50	200		100	har i	
oal, up					***	***		4.46,595	1,550, 200	2.1004-0	2.7 (190)	58550	2007		
., down	-46	de a .	6.1.0	9		444	9.11	11/25. 0	2 (4) 42 (3.50 00	2000 78	2,1170	10.4 (0.5)		
pper and	20ppe			941	5.68	100	***	2.FUT.0	17.5	1 to 1 to 1	1.10	22.5			
Miles II	117	1.15	141	1.10	0.01	***	4 -]	1.522.0	interior.	1.5.3.35	1 1 1 1			Alle Entre	147
e two			191	141				15,7 4	1,751	7.81	9.013	3.57		47.	ü
aply coo	nahut.	her.	110	-41	1.15		4	15,50.0	7.44	1,15	6 14 1	0.5	* .		
reward	h-1-1		110	-41				21,584	23,174.5	1 1	1.41			1,27	
		173	110	184		115		215,29101	0.1.44	25,500	2 00 F	3,519	Late.		
and afrile				111	1-68			15,550	4.20	\$ 500	F 9 41			1,06,13	· · · · · ·
ins and o	ál l	1.7	- 6-		141	1.14	441	27,150	\$40,700	80, 660	70000	1 Schique	delph - 1		2
B. T. par	STREET, STREET		1					1,5 -41	2,4 1	1. 90	1.76%			1,941	5
IV CELLITION						***	++-	1 = , 85.341	29.500	15.0	24,600		130,140		691143
94	Qirci		e ston		- 444	144	4.1	35.150	4	11 950	9.900			3,430	D
			Harl-		reb		4 **	95/150	2!	f and	6,414	h 11/2		10,000	
anna Ma	, 's	. 1	(HEER	119		81.1		4 11,000	4.0000000	1.01.656	166.5	1,648	\$79	940 0	haging
MILLIANDE EL		- 1	When	1	ved			0.315,01944	11.48.284	2.65, 68	1,00,50	3,03,139	1,50 .74	10,310	17
Pulani.		1	Othe					2.84.666	2. 0. 5.9	Policie i	19.95	27/19/17/24	14 14 1	771 4,014	
					di kir			1,47,714	Iptache !	20,000	1 320	13,059	10,629	71,000	23
omy .	1117	The .	440	10	444			83.0 10	ho Act	19 (2) (2)	h4, 500	Surer.	7. 90		
stea and	burns	144	100	111		139		70.720	\$1,79,00	261,730	200,5 19	the same of		3,130	
digo	14 -	+36	- 44					all the second	46,100	1 4, 500	1,00000	7 12,51	22,460		
UDh	424	r41	+100	1.9		1149]	1,03,000	752.1	1.16 - 14	50,173	4.1	.)	37.75 %	33
HEKTER	114	ent	461	111	9 0 4	1411	117	68,190	1,14,030	29,000	\$9545.0	42/0.61	21,7 mm		180.00
er.	101		-00	200	. , , -		***	40,400	40.006	1	1.00	34,1654	1 C1 2 1		14-11
intrale)	41	261	Sec	· Bu	100	0.04	44.1	45,530 Sultitu	40,000	\$1,94,163	14.2.9		1,350		146 6
owah flor		444	101	100	110	101	har-	25,210	16,860	\$5,450 \$1,650	4,131			0,280	2
l-enko Muu	401	4.01	481	p ===1	P-de h	160 P	591	15,540	62,256	21,790	Aga be		LATER	44.0	751.4
OTHER PARTIES	蛤	***	15-1	-4,5	1116	194	100	7, Bill	7,434	11.700	\$2,590 kg	49,700	21,100	11	
are-toogi	The same	4.4	4 5 4	393	79	100	191	2,49,510 .	2.10, 670	3, 41 320	2,00,714			200	
LIVET EN	Libers !			B \$4001	Apec			30,100	\$2,500	8,03-1	2,000			39.040	50
	4	l'a	MOTIES 1	- BA	100			45,200	77,4 30	42,110	de de l	990.9901	10,390		
20 bit	170	151	11:1	The s	501	101	10-	28, 1110	25.840	11, 191	18,219	2,710	1,3001	111.00	41111
16	191	*41	101	491	107	(B) 251		6,82,020	6,44,296	1.42.740	\$250, 100	3,17,420	-67 , No.51	111	1 + 2 + 4 1
	461	141	181	111		***		60, 100	61,090	20,1770	21,010	3,420	1640	-14 1	191.
rda *	411	4.41	1979	49.1		***	144	6,03,950	4.70,180	2,25,710	1,57,730		pa.s s.,	1,31,900	, ¢4,
li.	41.5	127	22.5	121	110	100	14-	10,010	3,150	April Dya	4,691	414-11	150	Bul	
ellor	141	10.	3161	141	140	. "" 6		14,850	d,920	13,500		114177	FFE 184	3,000	4
roes Dies	v04	p.u.s.	***	481	1.84	5.64	1.5-	60,524	15.930 90,250	12,220 .		20,730	1,110 }	680	
R67	dia.	419	HIT	1011		1-64	441	A5'37a	1,45,100	41,160	12,750		5, 640	rds sit-	
A BIT	101	101	144	191	D. 101	194	141	6, krid	3,076	8,450		42,500	25,070	174 18	-14
urber	144	101		*** **			544	12,680	24,300	6.40	11,470	2,320	980	1,420	2,
Day 00	944	100	101	101	444,	-91	224	R3,69)	*\$0.000	912,780	17,480	7,210	4,600	manel #	5811.1
rosente	No.	-9-	181	101	***	-42	100	0,450	6,344	3,528)	2516	100			
TOTAL STORY	PH 1		4.04		1	411		U.SIAO ?	0,500	B, 51/60 1	9,074	79	410 mg		
lucullanes	Hit			400	1.01	PIP	111	2,01,230	2,03,780	\$190,559	1,00,810	1,540	13141		9 17,
	-		3			Total	-	6\$,70,010	70,85,840	29.93, 430	\$0,84,100	10,81,070			
			1			-	100	- Marie Service of	1 oboes 11 mg	#71A11 830	-1010/dist 100	10,01,010	4,65,990	5,58,540	3,75,

Weekly Return of Traffic Receipts on Indian Railways.

RAST INDIAN RAILWAY.

Approximate Return of Traffic for week anded 14th January 1882, og 1,504 miles ogen.

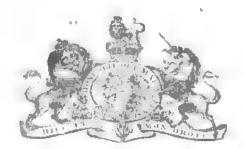
	ODACHIN	TRAPPID.	Murch and Dore	- 0	Other estulars		THAPPIC TRAIN-MILES BUN.			
-	Number of passengers.	Conchine receipts.	Weight eagred.	Bersipts.	Other estulars (setimated).	Total paraings,	Conching.	Merchan- dian.	Total.	
Total kraffe for the week Or per mile of railway For previous I week of ball-	2434500	Rs. A. P. 5,87,711 9 0 890 H Y	##da. %, \$0,30,025 %)	Ra. A. 15. 6,43,894 9 6 628 0 10	15,300 O H	Re. A. P. 12,44,000 2 0 827 9 8	53,6700	188,8643	189,486	
Mary and an an an	187,090	8.64.900 % 15	28,46,741 30	7,80,004 14 43	18,800 □ 0	10,69,501 6 54	53,2904	318,7213	1765H22	
That for 7 weeks	477,839	9,82,481 1 ()	43,02.765 20	13,75,080 7 0	20,800 0 0	2337,410 8 O	, 105,804	254,6%6	14.	
Total for corresponding week of previous year. Per mile of railway correspond-	152,654	1,20,840 13 3 159 12 10	18,54,632 0	7,10,983 8 8 572 10 A		0,62,844 12 W	* 50.335	198,648	176,981	
Total to corresponding date of previous year	. 314,6574		1 41,59,902 0	16,90,076 3 7	28,086 14 5			287,820	379,819	

EASTERN BENGAL RAILWAY.

Approximate Return of Troffic for week ended 14th January 1882, on 1714 miles open.

	Содения	TRAPPIC .	MERCHARDISE 1841	PIC.	Other carnings	Water Landson	Toral !	THAIP-MILES	BUN.
	Numeror of Dissensers, ,	Conching repeibts.	Weight carried.	Receipts.	(estimated).	Total earnings.	Cosching.	Miscellani- disc.	Total
Tout tradic for the week	\$8,780 271 41,440	Rs. A. P. 27,000 0 0 100 17 10 28,750 0 6	2.47,465 ()	Rs. A. P. *48.850 B B 251 B 10 \$2.742 B B	\$10 0 0 0.10 3	184. A P. 76,610 0 0 440 0 11 61,205 0 0	6,0651 C.7504	7,40N	13,479g
Total for 2 weeks	80,220	56,400 0 0	4,07,215 0	81,102 6 0	223 0 0	1.37,615 0 9	11,4161	10.7101	27,5618
Tetal for corresponding week of previous year. Permille of railway corresponding week of previous year.	39,975 488	24,619 0 0 143 5 6	2,01,969 0 1,171 53	\$0,033 0 U	129 6 6 0 13 0	81,620 0 0 378 10 7	5,3028	8,090	13,0022 1311
Total to corresponding date of meetious year	91,978	55,664 0 0	6,19,917 0	NI,674 0 0	295 0 0	1,87,633 0 0	12,604	12,7062	25,2100

^{*} Ea. 155 included on account carriage of Sevenue stores.



SUPPLEMENT. TO

The Calcutta Gazette.

WEDNESDAY, FEBRUARY 1, 1882.

OFFICIAL PAPERS.

Non-Subscribers to the Gazette man receive the Supplement separately on payment of Six Rupes-ger annum of delivered in Calcutta, or Twelve Rupees if sent by Post.

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ILLEGAL EXACTIONS FROM RYOTS IN PURNEAH.

THE following correspondence is published for general information:

No. 69, dated Calcutta, the 26th May 1881.

From—Colman Macaulay, Esq., Officiating Secretary to the Government of Bengal, Financial Dept.,

To—The Secretary to the Board of Revenue, Lower Provinces.

I am directed to acknowledge the receipt of your letter No. 118A, dated 23rd February 1881, and its enclosures, submitting a report on the partial re-valuations made in the Purneah district for purposes of road and public works cesses. In reply, I am desired to communicate the following observations and orders of the Lioutenant-Governor.

2. It appears that the Collector found that in the greater part of the district, where the mostagiri system prevails, the ryots pay a cess called babyt, or alges, which varies from four annas to eight annas for every rupse of rent. The zemindars are generally content for the present to get from the farmers the full amount of rent according to their jumma-

bundles, without any deduction for collection expenses. In some cases they get something more even than this sum. In all cases, however, the farmer is left to make what ne can out of the ryots; and he seems to lay cesses on them freely, even down to the landlord's and tenure-holder's share of the road and public works cesses. The ryots seem to submit patiently tenure-holder's share of the road and public works cosses. to such demands so long as they are made in the form of cesses, and their recorded In course of time they sometimes awake to the rights which they have not increased. gained by holding their jotes for a long period at fixed rates of rent, and find that they can resist claims for enhancement of rent in the courts. As the ryots come to realize and assert their rights, and refuse both babut and enhancement, the ultimate loser will be the zemindar. Meanwhile, however, the immediate sufferers are the Road Coss Committee and Government. The annual value of land for cess purposes is based on the "rent," and the rent-roll contains no reference to bubut or other cesses. Referring to these cesses the Collector said, in his report of 6th March 1872, that they "do not come before the courts, they are not shown in any hustaboods ever presented to them, and they have no existence at all as far as our records go." The greater number of the zemindars and tenure-holders in making their road and public works cess returns entered only the "ront" proper as given in the jummabundis. The Collector, Mr. " ", "seeing this, amended the returns by adding in some perguunals four, and in others six mass for every rupee of rent, and concluded the valuation accordingly.

3. There can be no question that the Collector's proceedings were wrong. In the first place the definition of "annual value" was deliberately so framed as to exclude all cesses, which, as the Board remark, it has been the fixed policy of the Legislature, as well as of the Executive Government, to ignores. The law under which the re-valuations were made (Act X of 1871) defines "annual value" of land to be "the total rent which is paid, or, if no rent is actually paid, would be reasonably expected to be payable." To recognize a cess like babut in the valuation would be to recognize the right of the zemindars and tenure-holders to exact from the ryots a proportion of the public cesses calculated upon it. It was therefore the daty of the Collector to strike out the babut from the few returns in which it was entered. It is even stated that the ryots are already made to pay the full rates of the public ress, instead of the half rates on their rent, to which the domand on them is limited by law. To enhance the cesses therefore, by taking the babut into the valuation, would, as

matters stand, be to enhance considerably the demand illegally made upon them.

4. In the second place the Collector's procedure in correcting the returns was illegal. The law is quite clear that the valuation must be voluntary: The Collector may value summarily |a| where returns are withheld, and (b) where the revenue or rent des not exceed Rs. 100 In other cases, if no rent is payable, he may set aside the return if he thinks it is untrue or incorrect; but if rent is payable he is bound to accept it, unless he can obtain a conviction under the Penal Code for making a false return.

5. The Beard recommend that the Collector's proceedings he cancelled from the point.

The Board recommend that the Collector's proceedings be cancelled from the point at which he caused the habit to be added to the amounts shown in the returns, and that he be directed to call on all makers of returns, who have voluntarily included unauthorized cesses, to correct the returns by striking out the amount of the cesses, warning them at the same time that any attempt to levy sums from the ryots as road or public works cess calculated on such unsutherized payments would be illegal. The Lieutenant-Governor approves the Board's proposal, and desires that they will be good enough to issue the necessary instructions.

6. As regards the general course which Government should pursue in regard to these unauthorized cesses, the Board consider that a notification might well be issued, such as was issued in 1871, pointing out that the road and public works cesses are the only cesses leviable by law; that the babut is illegal; and that any claim upon the ryots for road and public works cesses calculated on the babut is illegal. They apprehend, however, that the consequeness of the issue of such a notice would be serious, and they therefore propose, in the first instance, to call on the Commissioner to satisfy himself and the Government very thoroughly that the ryots are really required to pay the full amount of the public cesses—
i.e. one anna instead of half an anna.

7. The general policy of Government in respect of these irregular enhancements is laid down in the orders of the Government of Iudia, No. 681, dated 18th August 1873. be seen that interference was not to be exercised unless in extreme cases, but that the ryote were to be made fully aware of the law on the subject. The Lieutenant-Governor therefore does not wish to undertake any active measures at present to suppress directly the district oustom of babut, but as it is distinctly stated that the zemindars and farmers have been realizing the whole of the public cosses from the ryots; the Lieutenaut-Governor considers that a notification should be issued pointing out that this is illegal and informing the ryots of their rights. A copy of such a notification is cuclosed, and the Lieutenaut-Governor desires that it may be published in due course in the Purnah district.

As regards the results of the re-valuation, it appears that 211 estates have been re-valued—viz. 13 estates on the application of proprietors, and 198 estates selected by the Collector in the public interests. The original valuation of these estates amounted to Collector in the public interests. The original valuation of these estates amounted to Rs. 25,16,403, and the revised valuation is Rs. 33,23,120, being an increase of Rs. 8,96,717, or 32 per cent. on the previous valuation. The annual demand of both cesses has been similarly raised from Rs. 1,57,276 to Rs. 2,07,695, showing an increase of Rs. 50,419. The

cost of re-valuation was Rs. 4,827.

9. It appears that the statistics of tenures have not attracted the notice of the Board. The number of tenures in the whole district found in the old valuation, as reported in Board's letter No. 248A, dated 10th April 1879, was-

> Above Re. 100 Ra. 100 rent 2,236 11,943

The number found in the recent partial re valuation is-

Above Rs. 100 rept. Above Rs. 100 rent and less. Lakbiraj Total. 5,342 3,279 13,891 3.612 18,900

A large number of lakhiraj tenures remained unkown when the old valuations were made and before the land registration work changed matters; but the figures above regarding these tenures call for some remark. It may at the same time be noted that the Collector states that he valued 10,279 rent-free tenures summarily. It is not clear how he did this, as he was proceeding under the old law, which did not provide for summary valuation of rent-free tenures. The Board have not noticed the increase of over 31 per cent, in the number

of tenures paying rent of more than Rs. 100.

10. In their general report of the 10th April 1879 quoted above, the Board compared the valuation of all tonures with that of estates valued on returns to find the percentage of subinfeudation to lands cultivated direct under the zemindar. For Purneuh the figure found was 76.8. The Collector in his recent report does not give the valuation of estates valued on returns separately; but as only one out of the 209 was valued summarily, this is not important. On the plan previously adopted by the Board, it is found that the percentage of sub-infeudation on the estates recently revalued is about 81. These estates ever the greater part of the district, their original valuation being about 83. 25,16,403 out of the district total of Rs. 28,59,695. It would seem therefore that sub-infeudation in Purneah is on the increase.

NOTIFICATION.

The 26th May 1881 .- Whereas it appears that it has been the practice in the district of Purneah for zemindars, mostagirs, and other rent-receivers, in violation of the law and orders of Government, to recover from the cultivating ryots the full amount of road and public works cesses payable year by year on the annual value of the lands comprised in their estates, it is hereby notified, for the information of the zeminders, cultivating ryots, and other persons concerned, (1) that the amount payable with his rent on account of road and other persons conserned, (1) that the amount payable with his rent on account of road and public works coss by any cultivating ryot is only one-half of the full rate of such cossess levied in the district by orders of the District Road Committee or of the Government, as the case may be; that is to say, if the rate of road cess for my year is one-half anna in the rupee of the annual value of lands in the district, and the rate of public works cess is also one-half anna in the rupes, no ryot is required to pay more than one piece on account of each cess, or one-half anna in all, on each rupes of the asat jumma payable by him to his landlord; and (2) that no ryot is bound to pay road cess or public works cess on anything tave on the actual rent payable by him (asat jumma), and that no account should be taken of any zemindary cesses and abwabs which are not recognized by law.

> COLMAN MACAULAY, Offy. Secy. to the Gart. of Bengal.

No 162, dated Calcutta, the 14th November 1831.

From—Baboo Bankim Chandra Chatterjee, Officiating Assistant Secretary to the Government of Bengal, Financial Department,

To—The Secretary to the Board of Revenue.

WITH reference to your letter No. 622A, dated 18th ultimo, reporting the revision for cess purposes of 211 estates of the Purnoah district, I am directed to say that the Lieutenant-Governor will be glad to receive a report on the effect of the notification referred to in paragraph 7 of Government order No. 69, dated 26th May 1881, pointing out the illegality of the levy by zemindars and farmers of the full amount of road and public works cesses. from the ryots.

No. 29A, dated Calcutta, the 17th January 1882.

From-H. J. S. Cerron, Esc., Secretary to the Board of Revenue, L.P., To-The Secretary to the Government of Bengal, Financial Department.

With reference to your letter No. 162, dated 14th November 1831, I am directed to submit herewith copy of a communication received from the Commissioner of the Bhagulpere Division, No. 176C, dated 9th January 1882, reporting on the effect of the notification published in the district of Furneah, pointing out the illegality of the levy by zemindars and farmers of the full amount of road and public works cesses from the ryots. No. 1760, dated Bhagulpore, the 9th January 1882. Memo. by the Commissioner of the Bhagulpore Division.

Corv submitted to the Board of Revenue, Lower Provinces, with reference to their memorandum No. 584A of the 21st November last.

No. 94R, dated Purneah, the 4th January 1882.

From—A. WEEKES, Esq., Collector of Purneah, To—The Commissioner of the Bhagulpore Division.

With reference to your No. 145C, dated 26th November 1881, forwarding a copy of the Board's No. 584A of the 21st idem, and a copy of the Government order No. 162 of the 14th November last and subsequent reminder, asking for a report as to the effect of the notification referred to in paragraph 7 of Government order No. 69, dated 26th May 1881, published in this district, I have the honour to report that from the informations received from the Manager of Wards' estates, Sub-Divisional Officer, and the Sudder Candongoe, who are now moving in the interior of the district. I find that the effect of the notification has been very satisfactory. The ryots have learned the law as regards payment of cess full 1/cll, and have cessed to pay excess cess. They now pay only two pice per rupee on their acul jumms for rand and public works cesses.

I have, during my cold-weather tour, enquired from ryots in the fields and elsewhere, and been rather surprised at the readiness with which they reply that they pay two pice in

the rupes.

Rainfalt, Weather, and State and Prospects of the Crops.

Statement shorting Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bangal, as reported to Government during the week ending the 28th January 1882.

No.	:	District, a	nd ds ufn	ite of		Rainfall at Sudder Station in inches.	state of Bealth at data.
ENG	AL				¥ 1		4 3
1	rb	Western .	Distri	icts.			
1	L	Burdwan,	Jan.	. 28	182	Nii -	Weather -rather warm. Prospects of rubbee crops good. Rice sells at from 24 to 32 seers per rupes. General health fair, but not good.
2	2	Bankoors,	4	28	7-	Nu	Weather—getting warm day by day. Winter crops doing well, but rain is wanted generally. Pever abuting. Cholera is prevalent in Index those
		Benribboom	91	28	51	Nii	Weather-dry and much warner. Hubben still promises well, but would be improved by rate. Fover mace diminished.
5	4	Mianapore,	11	28	71	Nil	Wenther—seasonable. Harvesting of rice crep finished; conturn for the most part excellent. Prices low, Fever somewhat abated. Cases of small pax aild cholera are reported.
5	5	Hooghly, *	,,	28	. !	Kil	Weather-warmer. Prospects of cold-weather crops generally good. A ter- cases of small-pox in the Susumpore sub-division.
		Howash,	11	30	70	Nil	Weather-uthroughly hot. Foggy in the mornings, Sugarcane being cut Khansari pulse doing well.
		Contrat 1	Distri	cia.			•
6	3 1	24-Perguenah	a, Jan	. 30	182	Nn	Weather—very hat for the season, with foggy mornings. Wind chiefly from the south. Harvesting of amon nearly finished. Winter crops doing well. Fever and cholera have abated. Cases of the latter of spendic nature still reported from the Diamond Harbour and Satkhira sub-divisions.
8		Nuddes,	#1	28	F1	Nil	Weather-warm. Winter crops suffering for want of rain. Fever still prevalent but abating to a greet extent. Some cases of cholera still reported. A few cases of small-pox reported from Chagda.
8	-	lemore,		28	P7	2.9	Weather-cold and foggy in the morning. Harvesting of asses nearly com- pleted. Prospects of winter crops are fair. Favor and cholera decreasing.
0 /		Moomhedebad	la a	28	g>	Kil	Wenther—mornings cool; but it is getting warm at noon. Aman barvest in over; the outturn is expected to be good. Winter crops doing well, but rain is wanted in some places. Lever absting. Only a few cases of cholera and small pox.
/ 10)	Diangepore.	Jan	. 27	182	Nil	Weather-seasonable. Prospects of rubbee crops good. Price of rice 23 to 4
11		itnjehanys.	.,	28	ps .	Nil	want of rain beginning to be felt. Crops in ground getting unfavourably affected by want of rain, though damage not at the material. Cases of choler reported from Puthyis. Fever said to be absting. Price of rice auchanged
13	2	Rungpore,		97	P	Nil	ie. 28 seers por rupce. Weather-warmer; clouds about. Standing crops (tobacce, wheat, &c.) doing fairly well, but min much wanted. Mustard being cut with prospect of fair
13 14 15 46	3	Bogra,	94	28	1.	NO	patturn. Weather—dry, and getting warm. Pathty, mustard, laler and sugarrane ar being cut. Prospects of crops are much the same as last week; some rais would do good. Public health generally fair, but there is cholern in a few villages.
14	L	Publis,	h	28	P-7	18 13	Wenther-fine and cool Harvesting of themoric and sugarcane has commenced harley, wheat, pear, &c., want rain. Public health is generally good.
15		Darjechiga	.04	28	13	Na .	Weather - cloudy and cold. Marvosting of crops in the Terai is progressing, will an average outland. Public health good.
д6		datpigores. Couch nebary	9	28 27	96 94	Nn Nn	Weather—sensemble. Winter crops all promising. Health good. Weather—not so cold as in previous week. Cloudy at times. Cutting of lat- rice fluished. Rain wanted for cold-weather crops. Insects are doing damag to tobacco in places. Price of rice Rs. 1-12 per mand. Public health good.
	1	Bastern :	lrietgi	ole,			
- 1	7	Dacos, e		28 1	82	Nil	Weather-rather warm. Bugarcane is now being out. Winter crory promise well, but min would do good. Except in one or two localities the public heatter to good.
18		Furreedpore,		28		NB	Weather-seasonable. State and prospects of crops favourable.
1	1	linekergulige,	81	20	2		Wenther-seasonable. Aman crops gathered in. Prespects of crops good Health generally good.
	, ,	Mymousingb,		27	PI	Nil	Weather-sool and day. State and prospects of crops good.

No. District, and di			of I	Reinfell at Sudder Stationin inches.	Character of the weather, state and prospects of the crops, and
	4 4 1 4				
	(concluded.)		1		
Eastern	Districts-100	spelud	led.}		
/ 21]	Chittagong J	Jan.	81 '82	Nil	Weather seasonable. Trosperts of crops good. Prices stationary. Small por
22	Soukholly,	2	26 ,.	Kil	will reported. Cholors in town station. Cattle-disease in Cox's Hizzer. Wenther-getting warm at mid-day; otherwise seasonable. State and prospects
23	Topperat.	,, 2		Nil	of the cold-weather crops fair. Kam is wanted for the higher hads. Wenther—seasonable. State and prospects of crops good. There are still case
1 94			24	Nil	of cholers in the desires. Clear fine weather, but cold during the week. Cold-weather compa doing wall
	Chittegous Hill Tracts.				and their prospects are good. Some cases of small-pox appearing in some places. General health good.
\$ (II	Hite Tipperson	P1 F	AD p.	Nil	Weather-cloudy and hot. Cutting of sugarcano still going on. Prospects o winter crops fair. Public health good.
BEHAR.					4
	Patna, J	Jan. 2	28 '82	2 Nil	Weather seasonable. Harvesting of paddy almost over. Rubbee prospects con
		1	DE 17	Nil	time good, but a shower of rain would improve thefa. Weather -sensonable. Harvesting of paddy not yet finished. Prospect of subjections.
	Gya,	11	40 az		still good, but run will improve it. Very little fover in the interior.
	Shebabad,	D ==	29 ,,	Nil	Weather sould, but days somewhat hot. Occasional westerly breeze. Rain we expected, and its want has injured rabbee in parts of the district.
26	Darbhopga,	,, - î	28 "	Nil	Wenther- seasonable. Rice I arvest is over. Rain wanted for rubbes. Price stationary. Health good.
26	Mozufforpood,	10- 1	28 .,	Nil	Weather-rather warm for the season. Prospects of rubber continue good. Rain is wonted, particularly for the northern side of the district. Public health satisfactory. Fewer cases of tever reported from Sectamarine sub-division
				3401	Selling price of paddy stationary.
30	Sarun,	2 - d	28 ,,		Weather-dry and warm for the time of the year. Harvesting of paddy crop i not completed. Sugarcane is being pressed. The prospects of the rubbes or are still good, but a lettle rain would improve them.
81	Chumparno,	,, 7	28 🖐	Kill	Weather—seasonable. Prospects of crops continue good. Tablic health good.
		Jan. 2		z. Nil Nil	Wenther-getting warmer. Prospects are still good. Rain is wanted. Weather-dry and clear with westerly breezes. Prospects of crops still good.
	Banguipore,		28 "		but thin begins to be wanted! Coses of small-pox still reported, otherwise general health good.
84	Parsesh,	= 2	29 .,	Nil	Weather - seasonable. Cold-weather crops require rain. A deficient return expected. Small-pox still provident in the north-cast of the district.
88	Meldelt,		28 "	Nil	Weather—hot for the season. The midday heat is fully six degrees above the usual heat at the latter end of January. There has been no rain for near
E					tweive weeks in this district. Itain is much wanted for the growth of the rabb
SA SA SA SA SA SA SA SA SA SA SA SA SA S					crops. Prices of food-grains continue chesp and stationary. A few cases a small-pox are reported. General bealth is fair.
36	Souther Perghs.	L pr 2	28	Kil	Weather—bright and dry; rather warmer than usual at this season. Oilsee crops nearly all cut; outturn below the average. Other rubbee crops would be benefited by a shower of rain.
					DEMONSTRUCK OF ENDINGS OF ENDINGS
B188A.			**		The state of the s
	Cuttack, I	Jan. 2	27 '82		Weather—hot at times. Cutting of rubbes crop still continues. Daise ribeing transplanted. Miscellaneous crops doing well. Common rice sells at from 25 to 31 evers per rupee. Public health good.
88	Poores,	*	26 ,	, Ni)	Weather—seasonable. Sarad rice being harrested. Miscellaneous crops gold on well. Common rice sells at from 31 to 42 Culcuita seems for the rape
89	Balasore,	44	27	Nil	Fever still lingers. Cattle-disease still reported. Weather—seasonable. Harvesting of rubbes crop nearly completed. There h
	Distributed by	fp.	44		been some loss in it. Malarious fever has abated. Isolated cases of chole and small-pox reported from purts.
ATOR	NAGPORE.				
-	South-West Agency.		tier		
40	Hazaribagh, &	_	27 '82	Nil	Weather-clear and cool. Rubbee prospects below average for want of rai
41	Lohurdugge,	H	28 ,,	Nil	Prices rising gradually. Fublic health good. Weather-hoc, Rain wanted for ploughing in head-quarters sub-division, as
42	Saughhoum,	Н	27 .,	Na	for rubbee in Palamow. Prices steady. Weather—unseasonable. Very warm and sound like the month of More Eight annex of the cold-weather crops said to have been injured for want
	Manbhoom,			Nil	rain. General health of the district good. Weather seasonable; rather hot. State and prospects of crops good. General methods are seasonable; rather hot.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,

The 31st January 1882.

· Colman Macaulay,
Offg. Secy., to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 22nd to 28th January 1882.

		ğ	Teres I	Ti	IMPERA	TORE.		Đ	TORON	NTBT.		Wind.			
Month	Oale.	Maximon is 100.	Mony presents bare at 38° Pahr.	Meno.	Marinum.	Kenge.	Majman.	Mean wet bulb.	Tapsur temejos.	Daw point.	Unmdig.	Prevailing direction.	Miles recorded.	Rein.	Weaters.
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Jan.	122nd	198.0	80 046	84.6	78-7	26.2	624	68.7	0.493	54'3	71	Calm, NNW and WNW	47	Nil	Clear,,,
п	\$3rd	121-3	-018	67:0	79.6	20-1	5913	6 0 ()	1497	61.6	68	WNW and WSW	S	19	Clear,,,
H	\$4th	138:1	29:981	07'0	81'6	29'0	52:5	63.1	1 1502	\$9·L	78	WSW and WNW	67	1 1/	Partially clouds
PI	25th	136'0	986	99.3	91.2	23 2	68.3	62'4	489	58'3	74	WSW and variable	60	22	chiefly clear
н	261h	138.6	.810	70-6	9311	21.0	68.4	69,2	562	62 3	77	SW by W, and WSW	89		partially cloudy
17	27th	139-7	* 1893	7110	87.2	23 6	60.0	63:7	-529	-00.6	73	SSW, WSW, and SW by'S	82	39	Clear,>->-
Н	#8th	137 9	1903	72-5	81.1	50.5	08-2	067	*579	63-1	75	WNW, NW and variable	65	13	. Morning partially cloudy, day and night cloud

The mean pressure of the seven days The average pressure of the corresponding period for 24 years, S. G. Office	114	29 966 29 996
		Э
The mean temperature of the seven days The average temperature of the corresponding period for 24 years, S. G. Office The extreme variation of temperature during the seven days The maximum temperature during the seven days		68-7 68-5 32-1 84-5
The merinance fortherm of the state of the s		Miles.
The highest velocity of the wind in one hour during the seven days		15
		ъ.
The highest pressure of the wind on one square foot during the seven days	***	Not measureable.
The mean relative humidity during the seven days	111	73
The average relative humidity of the corresponding period for 24 years, S. G. Office	19-	70
		Inches,
The total fall of rain from 22nd to 28th January 1882	444	Nil.
The average fall of the corresponding period for 24 years, S. G. Office		0.11
The total fall from 1st to 28th January 1882	10 = 4	0.13
The average tall of the corresponding period for 24 years, S. G. Office	411	0.28

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified, at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86 formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction of the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground,

fog, a dew, o overcast

MRTEORGEOGICAL OFFICE, INDIA, The SOth January 1882. Joun Eliot, Offg. Meteorological Reporter to the Government of India.

Abstract of Observations as received in the Office of the Meteorological Reporter to the Government of Bengal during the month of December 1881.

N. H .- The Barometrie sala are reduced for teninerature and not for height annre sea-least.

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68-9 Mean humble of 2h seems a 64-8 Detection of 1881 8 Defection 1981 111 Mean baromertir remains of the rent ... 30:029 Mant temperature of 25 years ... Defect in 1881 ... Oak Baich in 1881 ... Oak Baich in 1881 ... Meteorological Reporter to the Goot, of Bengul.

METEOROLOGICAL OFFICE, BRNGAL, The 28th January 1882.

Mean Pressures and Temperatures of the preceding Table reduced to sea-level, with Anomometric

Result and Cloud Observations.

	£	2.1							William).						
Stations.	Mean barometric aute reduced to level.	Menn temperature duced to sen-tevel,	North.	North-east.	Kast,	South-unt.	South,	South-west.	West,	North-west.	Variable,	, kin,	Percentage	Ferritant.	Mean volocity	Mean clouds,
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	t per	_	1	2 ,	3	3	9 -	16	18 (8		3.1	63 8	65° W		014

NOTE.

Barometric Pressure.—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page, by adding the weight of a column of air of the temperatures given in column 18. For stations above 500 feet elevation the reduction is made by Captain Allan Cunningham's table, "Prof., Papers on Indian Engineering, No. CXIII." The temperatures at the sea-level are taken from column 3 of the above table.

Temperature.—The temperatures in column 3 are reduced from those in column 18 on the preceding page, by adding 1° Fahrenbeit for every 450 feet.

Find Resultant.—The resultant wind direction and its comparative predominance are calculated from the whole number of wind observations recorded during the month. The relative predominance in the direction of the resultant is given as a percentage of the whole number of observations. The direction is computed in the usual way by Lambert's formula.

Cloud.—This column gives the average proportion of clouded sky, a cloudless sky being indicated by 0, and one completely overcast by 1 0.

The above, being all comparable, afford the data for constructing a meteorological chart for the month, which will show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length, proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

ALEX. PROLER.

Metrorological Office, Brngal, The 28th January 1882. Offg. Meteorological Reporter to the Goot, of Bengal,

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhes, from 22nd to 28th January 1882.

					1			Teners	TVRH.		ŀ	TEROMETRY		
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1	1	ne m	CUD 1	relai	17C 111	iitti (G.)	ty aurit	ug the se	ven days		> p 4	16.1	Inches.	

The mean temperature is obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

The means of the hygrometric elements are the crude means of the values derived from the three readings of the instruments.

METROROLOGICAL OFFICE, INDIA,

The 30th January 1882.

John Eliot.

Offg. Meteorological Reporter to the Gont. of India.

Dated 19th January 1882.

PUBLIC WORKS DEPARTMENT, - BENGAL.

IRRICATION BRANCH.

Statement stowing beights over mean sea-level and low water on Rivers Canges, Blagiruthee, and Brahmapoolin for the month of Nevember 1891.

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		entities Militar			Dated
	e*	Date		######################################	

Report on the Fluctuations in Traffic on the Northern Bengal State Railway during the month of December 1881,

GENERAL REMARKS.

This report deals with the last month of a most successful half-year. The total weight darried during the month under review reached 4,25,342 mounds, which is the heaviest traffic yet carried since the line was opened, being 1,58.092 maunds, or 37-22 per cent, better than December 1880.

Out of the total traffic shown to have passed over the line, no less a weight than 1,93,071 maunds was in jute, and 38,447 maunds in gunny, which two items, added together, will be found to represent more than half the total traffic.

The increase under this head is explained in last month's report.

817 Mds.

The increase under this head is explained in last month's report.

Food-grain

There has been a fair demand during the month for the common descriptions of rice for shipment to London, and as the stocks held in this district of hat year's crop are very heavy, holders are but too anxious to take adventage of any opportunity of selling. The upward despatches to the Darjeeling district have also been much heavier this month than during the corresponding month of last year. The new season crop is being rapidly cut, and is reported on all sides to be a bumper size. If only some outlet could be found for the immense stocks of rice and paddy that will be held in the district when the size crop is fully harvested our traffic next season in this staple would be very heavy indeed.

Blueser

Ginger

There are no transactions reported in this article during the month, and the weight carried is therefore probably in fulfilment of contracts with small dealers in Calentia, who supply Retailers.

Gunny-hage Mds. 14,802

A heavy tradic in this staple still continues, and will in all probability do so while the present low price of the raw material

prevails.

There has been rather a sharp decline in the price of unil-made bags during the month, which may ultimately adversely affect this traffic,

Mds. 1.15.769 Up to early the middle of the month prices at the Port still continued to define for this commodity, and sales could only be affected at a further reduction of from 1 to 2 mans a manual. About the 10th, however, the market because steadier, and the decline was soon more than recovered; since that date there has been a brisk demand in Calcutta. The total traffic lifted under this head represents rather more than double the weight carried in the corresponding mouth of last year, and this too in the face of conditions so adverse to despatchers that it would have been no matter for surprise if a large falling off and taken place. The total weight of jute carried for the six months ended 31st December was 8,30,722 against 3,61,982 manuals for the corresponding period of 1886, which was increase of 129-49 per cent.

Railway materials ... Mds. 10,518 ° "

Although an increase is shown in this staple, there has really been a falling off in railway material proper. The increase is brought about by 49,739 manuals of lecomotive coal having been carried during the month, which, if deducted from the total weight shown to have been carried, would give a failing off of 35,221 manuals as compared with the comber 1880.

With the new extension to Dinagepore just sanctioned, a revival may be backet for in this traffic. The large quantity of coal carried was caused by stocks being allowed to run very low, pending the entering into a new contract.

Salt ... Mds. 6,791

Salt ... Mds. 6,791

This tradic seems to be gradually but surely being drawn to the Rail. The only possible way of accounting for the large increase in the weight carried for some months past is that a large proportion of what was formerly river-borne in now despatched by Rail.

DECREASES.

Mde.

In the face of the high prices asked by Importors and the scarcity and dearness of money, Dealers are holding off and are merely paralineing for actual requirements; stocks are gesting low in the local bazars and a reaction must set in shortly.

This falling of was anticipated in last month's report, and is the result of abnormal despatches for some months past.

Tea

Ten ... Mds. 2,004

The opinion expressed on this traffic in last month's report has been verified. There is very little ten now left in the

district to be desputched.

Tobacco

Last tenson's stocke may now be looked on as worked out, and until the new crop is ready for the market no improvement under this head can be looked for.

All other goods

Mds. 1,698

The very large increased weight carried under this head for the past six months will account for this decrease.

Statement showing Increases and Decreases in Maundage of Staples carried over the Line during the month of December 1881.

		D m.					189	0,	1.990	4	Total in	Total in	Incresue	Decrease
		Brab	LIES.			-	Up.	Down.	Uμ.	Down.	1860,	1683.	\$15-1081.	in 1891.
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lan.	18.4	HII	-0-	40.0	104 144	100	11 36,959	18,548 12,690 9,886	180 34,500	11,564 8,702 10,061	13,608 12,606 40,249	*11,546 8,671 41,561	er in	2,00 4,00 1,60
				9	otal		1,17,408	1,50,144	1,49,728	2,10,014	2,67,660	4,16,343	d	474143

Trappic Supersupers's Oprice, Saidpur, the 16th January 1869.

G. M. DRURY, Traffic Superintendent.

Report of Fluctuation of Traffic on the Tirhoot State Railway for the month of December 1881.

Tax total quantity of goods carried during the month of December 1981 aggregated \$,35,220 maunds, as compared with 2.05,917 quands carried during the corresponding period of 1880, and 2.27,318 maunds earried during the previous month, showing an increase of 1,31,803 maunds in the former and 1,07,902 maunds in the latter.

Of the boursal increases and decreases the following are the most prominent, and appear to call for separate explanations:

			1	NCREARES.					Màn.
Coal.—This is ch , Western Est. Theo —This incre commodity b subsided sarl	ension case appea ly river, he	rs to be pa	rtly due to s	the merchan	ts who have	e hitherto i equence of	ocen sendin	ng this	42,873
of a rise in t	the price it	n the Calet	itto Binrket	+4	***		144	141	1,489
the traffic in	this comm	nodity bas	not increase	d to the ext	ent that wr	is expected		120	12,543
IronThis is at packing of it			or machin		sa for hy		INCLOTIES L	lor the	1.849
Piere goods, Eng				eal requires	nents owing	the curi	rent cold se	allon	6,447
Railway materia Salt.—This incre	la Thie i	s due to th	e Eagtern w	id Western	Extensions		444	414	46,899
				4				unuaca	3,736
		. h.t. a. 47			40 4 1	himm Harrow	kemont.	.,	7.514
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Seeds, Oil.—This Sundries.—This Timber—The inc Junction by I Iobacca.—The ro	is a saristo crease and Messes, De marks an	ctory iner- er this bea enr & Co., i de during	easo, but can ad is attrib for despatch the previous	not be well utable to to Patna, h month in	explained the timber aving been regard to	stacked a hurried on this traffic	t the Sum in this man equally s	mstipur th pply to	
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Seeds, Oit.—This Sundries.—This Pimber—The inc Junction by I Iobacco.—The ro the transpos	is a sarista crease und Messes, He marks ma tions of th	ctory iner- er this hea ar & Co., i de during l ais month	easo, but ent ad is attrib for despatch the previous . It is fer	ant be well nitable to to Patna, h month in ared that th	explained the timber aving been regard to se traffic ip	stacked a hurried on this traffic	t the Sum in this man equally s	mstipur th pply to ben few	28,007 19,935
Seeds, Oit.—This Studeries.—The inc Tunction by I Jobacca.—The ro the transmondays till the	is a sarista crease und Messes, He marks ma tions of th	ctory iner- er this hea ar & Co., i de during l ais month	easo, but ent ad is attrib for despatch the previous . It is fer	not be well utable to to Patna, h month in	explained the timber aving been regard to se traffic ip	stacked a hurried on this traffic	t the Sum in this man equally s	mstipur th pply to ben few	28,607 19,935 1,637
leeds, Oit.—This funderies. This Tables —The inc Junction by Tobacca.—The ro the transmost days till the	is a sarista crease und Messes, He marks ma tions of th	ctory iner- er this hea ar & Co., i de during l ais month	easo, but ent ad is attrib for despatch the previous . It is fer	ant be well nitable to to Patna, h month in ared that th	explained the timber aving been regard to se traffic ip	stacked a hurried on this traffic	t the Sum in this man equally s	mstipur th pply to ben few	28,607 19,935 1,637
leads, Oit.—This Sunder —The inc Junction by Oblaces.—The ro the transmon days till the Cond-grains	is a satisfic crease and Meases, De marks ma lians of the new crop	ectory iner- er this hea er & Co., i de during his month is harveste	easo, but ent ad is attrib for despatch the previous . It is fer	ant be well nitable to to Patna, h month in ared that th	explained the timber aving been regard to be traffic in	stacked a hurried on this traffic	t the Sum in this man equally s	th pply to prafew	28,607 19,935 1,637 22,335 1,012
Seeds, Oit.—This Studence.—The inc Junction by J Cobacca.—The ro- the transact days till the Cond-grains Me, spirits	is a satisfactores and Mesers, from rks ma tions of the new crop	ectory iner- er this hea er & Co., i de during his month is harveste	easo, but ent ad is attrib for despatch the previous . It is fer	ant be well nitable to to Patna, h month in ared that th	explained the timber aving been regard to be traffic in	stacked a hurried on this traffic	t the Sum in this man equally s	th pply to ora few	28,607 19,935 1,637 22,435 1,012 1,389
leeds, Oit.—This fundries.—The inc Janetion by I Isbacco.—The ro- the transpo- days till the Cond-grains tile, spirits linger	is a satisfa crease und Messes, the marks ma dans of the new crop	ectory iner- er this hea er & Co., i de during his month is harveste	ease, but can ad is attrib for despatch the previous . It is fea d	ant be well nitable to to Patna, h month in ared that th	explained the timber aving been regard to be traffic in	stacked a hurried on this traffic	t the Sum in this man equally s	th pply to	28,607 19,035 1,637 22,935 1,012 1,389 1,136
leade, Oit.—This limiter.—The inclined of the franction by lobacca.—The rother the transmit days till the lond-grains lie, spirits linger land, bags, employed and kunker	is a satisfactorese und Mesars, the marks ma tions of the new crop	ectory iner- er this hea er & Co., i de during his month is harveste	case, but can ad is attrib for desputch the previous . It is feat d	ant be well nitable to to Patna, h month in ared that th	explained the timber aving been regard to be traffic in	stacked a hurried on this traffic	t the Sum in this man equally s	th pply to ora few	28,607 19,935 1,637 22,935 1,012 1,389 1,136 3,441
leede, Oit.—This finder The inc Junction by I blaces.—The rothe transmordays till the cond-grains lie, spirits linger land kunker libonke	is a satisfa crease und Messes, the marks ma dans of the new crop	ectory iner- er this hea er & Co., i de during his month is harveste	case, but ent nd is attrib for desputch the previous	ant be well nitable to to Patna, h month in ared that th	explained the timber awing been regard to be traffic in	stacked a hurried on this traffic	t the Sum in this man equally s	th pply to	28,607 19,935 1,637 22,335 1,012 1,389 1,136 3,441 1,288
Seeds, Oit.—This Studence.—This Studence.—The inc Junction by Tobacca.—The rothe transmodays till the Cond-grains lie, spirits linger fame, bags, employer and kunker bill-onker otatoes.	is a sarisforce and Mesacs, the marks ma cions of the new crop	ctory inerser this herer to this herer to the desiring one month is harveste	case, but ent nd is attrib for desputch the previous	ant be well nitable to to Patna, h month in ared that th	explained the timber awing been regard to be traffic in	stacked a hurried on this traffic	t the Sum in this mon equally ap will stop fo	th pply to fee few	28,607 19,935 1,637 22,305 1,012 1,389 1,136 3,416 1,283
Seeds, Oil.—This Sundries.—This re- limiter—The inc Innction by Tobacca.—The ro- the transmindays till the Cond-grains days till the Cond-grains days till the Singer inney bags, emp	is a sarisforce and Mesacs, the marks ma cions of the new crop	ctory inerser this herer to this herer to the desiring one month is harveste	case, but ent nd is attrib for desputch the previous	ant be well nitable to to Patna, h month in ared that th	explained the timber awing been regard to be traffic in	stacked a hurried on this traffic	t the Sum in this mon equally ap will stop fo	th pply to fee few	28,607 19,935 1,637 22,335 1,012 1,389 1,136 3,441 1,288

TIRHOOT STATE RAILWAY.

THAFFIC DEPARTMENT.

Statement showing Increases and Decreases in Maundage of Principal Staules carried over the Line during the month of December 1881, as compared with the corresponding period of 1880.

*		188	l	188	Fil.	Tests	.1.		
By an Link						:		Increases	Decreases
		Up.	Down.	Uр,	Lusym	1881.	1980,		1
						-, -, .,			
e, apirtte, and wine		15/17	27	1.589	Us	65000	1,764	101111	N 30
telemits		1.665		1,065	120	1 605	1,155		1,522
ass, nellsuctat, and repputy	WEL	737	D.2	696	55 151 :	324	764		120
dem or specio		64 111	THE REAL PROPERTY.	16 86	57.4	20.2	160	198	501
allinate or any or	to op	60.950	12.1		789	1843	€ 1 1	and address	149
al 20		Dill'AVINT		7,207		50,920	5,077	45,873	455
LION			9.000	1,578	1.4	5.61	1,10%		
un-gradită in in in in		11612	16,071	1,726	35,013	17,650	00,000		1350
gits, feelt in in his hij t	- 1	214	11111	914	14.	a. a · a :	7,4		\$2,953
Dog dry a los as				1174	227	226	1.027		
The or respondent of the			1.110	135	203	1		11 100	781
100		491 17	Li17	812	Littari	1,017	424	1,489	963
In COST		482	24742	1.085	1 *83'34	50%	1,1014		
n my -bags, curpty		15	6.666	3.1	4,913	h. 480	1.343	1114-1	1,348
tes and listing		E 19	20 191		22.618	2.5 13/1	4,997	12,563	1,134
iagp-		4,413	100	3, 30	20%	5.007	11.654	1.349	
44. 11. 44.		H. H.	8.7 8	25.1	41	201	363		B-1 - 1 b
(e) and konkur		4.507	254	1.41.6	544	4,701	Part of the state		504
	1	55	11	5.4	133	111	3441	* 14	3.46
The same of the sa	.	263	2.00	3/17	225	419	593	1 1	23,561
The second second	.)	***	959	47.5	1.1571	8 58	u.1 ml	6-4 × 8-2	173
tracket diores . 19	1	201	12 1	3.59	Girl	216	201		1,50%
Illiant a division i in in		, DA		2413	Oll	4 0	22.7		1,40
and Control Rapide	" i	10,969	i kese	10,407	48 1	1.0,969	30,515	6.167	1
		364	60	9039	64	365	219	1/5	141711
	par 1	201 A	350	1,098 (304	361	1,401		A
dulobs	111	41,000	4,575	ALL ALL ALL ALL ALL ALL ALL ALL ALL ALL		46,519	94 BVB	19	1.06
It is at		27.743	1,913	##.d5P	3,950	29,466	26,019	5,736	
Itpetre ac		4111111	9,510	659	9.460	9,410	10.119	oji bu	**-41*
nt t, b11		304	40,005	1,015	33,500	41,080	33,515	2511	301
the Hedsky as a second	HIP!	807		270	111,51	5.47	270 :	137	
a. other than fund-grains		105	272	287	1.857	3583	9,313	*****	1
b b!		54		170	24	1 44	anu	1-	1,834
same, atomo-ballest and warms	1	1 :01	83	1,319	464	1,643	1,735		1 33
Kar an area		70	208	1,157 %	277	552	1,335		E 16
fulltes in a second		\$19,400 F	4,119	2.650	12,051	\$2,466	4,691	24,607	341
u.ber	111	1,393	21,961	1,151	2,342	6 23,431	3,500	19,005	1 1711
dimension in their sin		15	0,169	47-016	3,30	£,587	3,3≥0	1,637	
инцегие по става]_	38	9	348	1.134	57	1,252		1.23
Total		1,85,331	1,49,879	F79836	1,30,361	8,35,220	1,03.017	1,69,701	41,430
*	. 1					2,03,917		41,165	-1
	1							1,31,593	
\$ticronee		,				1,31,203		41211110	1 4

Report of Fluctuation of Traffic on the Patna-Gya State Railway for the month of December 1881.

THE total quantity of goods carried during the month of December 1881 aggregated 1.85,524 maunds, as compared with 1.80,881 maunds carried during the corresponding period of 1880, and 1.59,759 maunds carried during the previous mouth, showing an increase of 55.148 maunds in the former and of 25.765 maunds in the latter.

Of the several increases and decreases the following are the prominent, and appear to call for separate explanations:—

1 NCREASKS.	Mda,
Chal.—This increase is due to requirements of contractors for brick-descring purposes Joggree.—The increase under this head is due to the favourable crop of sugarcane this year in the district Salt.—The old stock having been used, the import of this traffic lass improved during the month Eundries.—There is an increase under this head, and it is a satisfactory one, though not capable of explanation Tobacco.—The remarks made on "Sundries" are applicable to this staple	53,315 8,564
Decerases.	E
Food grain - Market is dull, and the demand of Howmb, Ranesgange, and other chief markets is ail, owing to the plentiful crop harvested everywhere. Oil seeds This decrease is due owing to poor price at Calcutta Beeds other than food grains This is due to the same cause as the decrease in oil seeds	2,837 12,236 1,972

PATNA-GYA STATE RAILWAY.

TRAFFIC DEPARTMENT.

Statement showing Increases and Decreases in Maundage of Principal Staples carried over the Line, during the month of December 1881, as compared with the corresponding period of 1880.

GTAPLES.	188	1.	168	40.	*Tot	al.	Increases.	Décrese
	Tp.	Down.	Up.	Down.	1881.	1840.	2127	DOX
le, spirits, and trips	65		225	46	85	286		
1 1		F 1 * F 8 8	360	102	Rib .	698	54-171	-225
zuse, bell-metal, and copperware	68	415141	384	120	-06	401	A14+++	447
the second		618-41	21	166		237	hidida.	300
6 I block and		Heras	243	479	4	722	0- F++4	507
-1	13,707		7,229	361	13,707	7.870	5.837	761
A	1.773	h - d	2,424	8.59	1.773	2.303		
	3.610	28,183	2.111	32,510	81.700	34.E31	A-1441	61
and a second	24		84	133	24	167		4,83
No. de-	810	h	594	114	J10	712	i cha la	1.5
a militar man Tananahanan	86		241	123	60	363	*28444	Ju Ju
hee arise or its and are	¥.	227	251	310	31250	0.0		77
inger es	185		185	447	1B8	560		15
anny-bacs, empty	1.459	836	1,474	493	1,793	1,988	debulk .	. 88
iden and horbs	6,300	2,354	44	1,946	2,164	1.930	254	17
JEC 11 24 41 41	* pa 4+1	35			15	4 50000	30	141 (6.1
DIA	807	43	244	142	010	686	224	risk man
gerne	302	65,978	1.548	31,472	86.335	83,020	83,315	111 -2-
me and kunkur	111111	16	521	315	16	839	51-141	Obtain heat
Spanish	94	24	241	100.40	48	640		100
1	384	141.000	785	140	184	615	Fritzen Britzen	59
I-rakes	1.67	141-11	1/12	567	747	719		32
legan's atores	3.6	144.611	218 -	h1	3.6	e 290	222181	67 26
CA 110		144-42		ara-bb	164	141.00	preish	
ece-goods (English)	1,820	-46-42	1,656	4.6	1,990	1,000	118	18161.
Ditto (country)	251	50	812	20	810	NAME OF TAXABLE PARTY.		7
Things are an are	Abdess	40	4 (4)	145	49	694		61
Mway materials	971			ridare	971	141	671	
di -aaaa-	11,206	307	7,162	615	71,871	7,807	2,566	11111
dipetes on me or or		460	0.00	2.17	450	547	4185	15. 17
edicall as as as	150	5,635	10	16,055	6,785	10,021		17.25
o., indigto	In con-	.4	119.5		12 11 12			*****
to, other than food-grains one	99	101707	200	1,329	90	2,031	125.41	1.98
EPPER TO THE THE PER T	274	terera	2002	214	274	504	1 24 11	36
over, atome-ballant, and wares	3,064	1	170	827	1,465	807	859	****
MENT HA ALL HE GET	840	37.3	10:	248	731	601	340	*****
12/CT506 417 414 417 419	6,216	10,720	1,480	2,040	10,96d	6,147 4	12,769	17
rober	517	117	276	371	484	847	# BP 15	- 611
(SECO) 41. 41. 41. 11	8.935	tt.	1,790	3.57	0,010	2,003	. 4,618	******
PERMITTED THE THE THE THE	1,155	200.00	304	180	1,137	034 -	1800	
The second second								
Total	50,453	1,64,671	83,044	96,437	3.AC, 524	1,30(18)	80,421	\$5,87
					1,80,491	7	25,778	
America.		*		-		i		
Aucross			ì		55,145	4 1	55,149 :	

Schmartere, the 18th January 1882.

A. Porn, Offg. Traffic Superintendent.

Calcutta and South-Eastern State Railway.

Statement showing Increases and Decreases in maundage of Staples carried over the line during the month of December 1881 as compared with the corresponding period of December 1880.

		BEAR	134.			•	1580		1881		1980.	IABI.	Lacrenso.	Decress
							Up.	Down.	Up.	Down.	Total.	Total-	1	
		-				ı	Mán.	Mdn.	Mda.	Mds.	Mds.	Mds.	d€ dx	Mds.
Building mat		rtr	4-4							5,390 v		8,990	5,920	
Hallway Blat. Coal Havenuo stob	orinis M	***	***	***	407	411		474,615	150	19,540 I 19,541 I 1,845	4,005	8,094 (0,561 1 ens	3.094 ! 4,058 1,005	
#ITPW QQQ		114	+1+		4	*	50,911	414.41	41,536 ;	A1111	50,911	44,5341	.,	9.3
liny o	441	212	611	***	***	89.5	1,500		7,7030	1.211	0,880	7,190e	1,000	1
Windles	614	111	441		1	1	664	1	3,630	F781 F	1,500 /	30,000	1,255 } 2,960	
Rice	4	-1+	4+4		***	11.6	1,3948		4,001	101	1,303	427.0	S.cart.	
Parkly Roudries	5 - 8	417		414		-1-	766 :	500	1,993	1,169	743	1,290	640	
MULLIAN	- 6-4	P 411	***	h = 9		***	1 406		- 42 ,	T-1157	11/1	1 - 2-2-1	460	
	- 8			Tol	f.n.	b	61,659	5,103	Ø1,080	21,57K ,	66,951	85,167	25,090	9.5

			INCREASE.					Mile.
	ling meterials	4 = 1 - 1 - a = 1 - 1 - 5 - 5 - 5	bu Sabanua Mua	W-+	141			5,920
Rail	way materials	torials carried for the	•					3.084
Cost		way materials carri			Extension			4,958
		rning for the Sonar	-	ssions.		441	***	1,995
	s due to the sam	e not being charged	for last year.			*		b
This increase i		urable market at Ca			1.1	***		1.000
This increase !		mrable market at He	lling stations.	414				1,255
Wan	lao		-41					2,960
Rice	**	norable market at se	111			- 14	491	3,601
This increase i		mills working regu			*			5-19
This increase i	is due to the favo	meable market.						
		demand at Canning				HII		469

DECREASE.

* This doorease is due to the wood-cutters being ongaged in cutting paddy, as this being the harvest time, and partly to coke being largely used in the vicinity of the town.

Calcutta, the 31st January 1882.

R. G. MOOKERJEE, Manager.

Nalhati State Railway.

Statement showing Increases and Decreases in moundage of Staples carried over the line during the month of December 1881 as compared with the corresponding period of December 1880.

						188	0. + !	199	d.	1890.	1900).		
2	TAPLE	6.										1 Demand	Degreese.
					i	Up.	Down.	Up.	Hown.	Total.	fotal.		
					1	Mds.	Mds.	Mds.	Mds.	34 ds. 1	Malu	Nan.	Mas.
Brane and bell-met	d ware		***	Fir	101	180	.4	97	31	1:30	108		82
Cost	111				400	8,700		14,127	60 to 1	4,7500	16,117	7,418	tur:
Cotton				211	in	482	1	407 (488	447		8.5
Edilile grain			111			585	10,012	7+9	U.808 -	21, 897 (11,790		1,703
Prove-goodin	***		144	211	464	1.778		1,300	115 81	1,770	1,346	i	386
Sugar not jagren	141		F# 1		1.0	1,148		1,318		1,148	1,315	175	4
tith and sik-cloth					1.46	140 41	BDH ;		663	GHR i	603		93
lalt	15					144.4	359	1,051	hr : s	160	1,681	1,501	
tundries	1.	- re-diffi		4.	401	2,863	1,501	6,101	4,117 /	5,013	0.210	8,303	
keyenno atores	119					e 1 1		92			111	91	144
South of all sorte	1-1	nin B	10	168		h		1,6%	11		1,693	1,693	
				l'otal	184	15,437	13,110	29,653	13,70%	34,556	10,121	16,143	2.31%

Coul

A large quantity of coal limbers brought in by the Executive Engineer for bijek-burning.

Rait

For want of sufficient water in the River Bhagirathee this year salt is coming by sail.

Sundances

The increase is fine to the above cause.

Seeds of all corts

The increase is due to the above cause.

December.

Calcutts, the 31st Sunuary 1882.

R. G. MOCKERJEE, Manager.

1.703

Weekly Raturn of Traffic Receipts on Indian Railways.

CAST INDIAN RAILWAY.

Approximate Return of Pratie for mer called 21st January 1842, on 1,5011 miles pren.

_	Qoacht	HE TRAPPIG.		ADD METHRAL PPC:	s Other earnings			TRAIN-WILL	to de ege
•	Number of	Coaching recentle.	Weight sarried	Rarelpins.	(satispared).	Zotal earnings.	Committing.	Merchan-	Total
Total traffic for the week	\$ 10 A T	Rs. A. P. 1,50,120) 0 558 G f	20,00,000.00	8×. 4.7 3.77 198 1 0	Ha. A. P. 18,175 0 P. S. J. G.		£02,620	718.00th	178,04;
for previous 2 weeks of ha's	177,970	0.70,021 1 6		state judici de la	28,800 0 0	23,33,410 6 0		250,593	\$60,01
Total for 5 weeks	740,840	[14:21:242 g p	65,74,08 0	10.71,117 000	35,975 0 0	\$5,61,819,11, 6	140,2414	3,673,2471	139.4
Communicated								3	Press.
of previous year and restanting week of previous year	147,193	92°13090 4 3	10,04,080,08	7,40,680 11 (1	28,898 P 2	10,00,657 2 1	49,810	120,050	1
the week of firevious year		150 10 1		492 ft 1	10 2 1	605 8 ()	41.111	,	1
DESTRUCTOR FEBR	451,555	7.30,000 8.4	61,93,988.50	\$57.500 k 16 10	\$6,985 U 7	01,39,012 7 8	150,7090	896,779	53 <u>5</u> 79
and the state of t									

EASTERN BENGAL RAILWAY.

approximate Review of Profee for week ended 21st Junuary 1982, on 1711 miles open.

									· · ·
	Онасития	PRAFRIC		erie Minusdau.	Other earnings	Total carnings.	Total,	Гилін-мінке	BEN.
	South Free of Topics of Book	comments.	Weight corner,	Recoupts	(extimated).	Total carnizins.	Coaching.	Merchan-	Dieta.
4		Ke. A. L.	Min s	115. A. F.	Rs A. T.	Rs. A. P.			
Total traffic for the week	39,005	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.60 %	\$23,955 D. 40	型(至) () ()	80,034 0 0	5,8914	7,5091	15,4012
Tr per mile of callway	51.701	104 F 10	I P ···	34/2 4 ()	1 2 10	471 3 8	2011 TO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VI. 2	119.14
Far pravious 2 weeks of half-year	5 (F. 2.2.)	ALCOHOLD	4-652	11.02 0 0	225 0 0	1.07.515 0 0	11,9161	15.710}	27,1003
lotal for 3 weeks	Ubdia	85 (77 0 0	6.68, 5.5.6	1,50.147 8 0	428 0 0	2 (5 749 - 0 - 0	14.7374	45,92B	40,00%
COMPARISOR.				4					
Per mile of railwar corresponds	55.749	200,021 4 12	Marie a	48,587 0 0 1	156 0 0	77.967 0 0	* 5,741}	7,9074	13.6%
Tog: the corresponding date of	226 ,	170 g h	3,484 (0)	282 14 4	0.71 0	450 1.0 4			
Divious Jest	135,727(54,555 0 0	6.74,562 0	1/20/00: 8 0	451 0° 0	2.15.000 n n	PB,2034	20,6213	88,917

* Es. 192 methidefi or infrontit carriage of Revenue stores.

BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Troffic Receipts.

	نت . برد ک					-				_					, :		Total Total	211111111	
1.	atent return	L	Nume of Railway.	Length open.	RECEIF	TS TO		nkk EN1			Total rec To 4th	EIP Det	ra e	HOM lat Ja	ne De	ARQ c.	Total increase 10 1881.	Total 'decrease in 18a1	Percentual of (nerviolation
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SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, FEBRUARY 8, 1882.

OFFICIAL PAPERS.

Non-Subscribers to the Garrers man receive the Surrement sovarately on payment of Six Ruposs per annum of delivered in Calcutta, or Twelve Ruposs if sent by Poss

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Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

Saturday, the 28th January 1882.

PRESENT:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, Presiding,

The Hon'ble G. C. Paul, C.I.E., Advocate-General,

The Hon'ble H. L. Dampier, C.LE,

The Hon'ble H. J. Reynolds, The Hon'ble H. A. Cockerell, The Hon'ble D. M. Barbour,

The Hon'ble T. T. Allen,

The Hon'ble Maharaja Luchmessur Sing, Bahadoor, of Durbhunga.

The Hon'ble F. Prestage, The Honble Kristodas Pal, Rai Bahadoob, cile.,

The Hon'ble AMEER ALL,

and

The Hon'BLE J. E. CAITHNESS.

EMBANKMENTS AND WATER-COURSES.

THE HONBLE MR. DAMPIER moved that the Bill to amend the law relating to embankments and water-courses be read in Council. He said that the Bill had been in the hands of Hon'ble Members for the time required by the rules. Although the Bill had been a good deal recast, he had adhered to the division into Parts which was to be found in the present law (Bengal Act VI

The first section which deserved notice was section 2 in Part I. The original intention had been to repeal Act VI of 1873 altogether, and to re-enact all the provisions of the embankment law into one statute totus, teres, atque rotundus. But unfortunately there was a practical difficulty. Some of the provisions of the existing Act were such that the Lieutenant-Governor had been advised that, if this Council were to attempt to re-enact them, into law, then, according to the stricter construction which was now put on the restrictions which the Indian Councils' Act placed on the powers of this Council, the inclusion of those provisions would imperil the assent of the Governor-General being given to the Bill; he was obliged, therefore, to say in the Bill that Act VI of 1873 was repealed with the exception of the sections set out in the first schedule, and then he was obliged to have a very awkward schedule (II) of references, to explain how the references in the unrepealed parts of Act VI of 1873 should be understood to apply to the

corresponding passages in the present Bill about to pass.

In the preliminary part (Part I) he had introduced three sections (4, 5, and 6) which might be said to deal with the general rights of the Government in reference to embankments as distinguished from rights connected with individual works. At the last meeting of the Council he mentioned that section 34 of the existing law, which declared that embankments were vested in the Government, was vague, and had led to considerable misconstruction. Sections 4 and 5 read together were intended to remove that vagueness. Section 4 of the Bill reproduced section 34, which provided that embankments meaning thereby the mound itself and its bermes proper-should vest in the Government itself. But then there remained the question of those plots of land adjacent to the bermes from which the Engineer had been in the habit of taking earth and other materials for the repair of the embankment. Under the existing law, surveys had been made of the lands which vested in the Government under section 34, and in carrying out that survey, the local officers had included these adjacent lands. Of course the proprietors immediately raised the question. They said " you have used these lands to take earth from, but they are not part of the embankment in the sense of section 34, and that section does not vest them in the Government." Section 5 of the Bill had been framed to meet this reasonable objection. It was to the effect that lands which had been customarily used for taking earth and other materials for the repair of public embankments should be at the disposal of the Govornment for that purpose only; that compensation should only be paid in respect of all other damage done to property on such land, but not in respect of earth and other materials taken from it; and then it was provided elsewhere that if the proprietor thought that such land was permanently injured, he might require that the Government should acquire the land under the Land Acquisition Act.

Section 6 was also new section, and was rather an intricate matter to explain. It had to be read with section 18 and section 74, and was intended to meet a want which had been felt in administration. The existing law on the subject was embodied in section 53 of Act VI of 1873, which ran thus-

"Every person who, without the previous permission of the Engineer, shall erect, or osuse or wilfully permit to be erected, any new embankment, or shall obstruct, or divert, or cause or wilfully permit to be obstructed or diverted, any water-course, if such embankment or water-course is likely to interfere with, counteract, or impede any public embankment or any public water-course, or shall abet any such act, shall be liable on conviction to a fine not exceeding five hundred rupees, or, in default of payment, to imprisonment of either description for a period not exceeding six months."

Under the law as it stood, any person might, acting on his own judgment and at his own peril, construct an embankment, or divert water-courses, and so on, if he thought that his work would not interfere with, counteract, or impede any public embankment, or any public water-course. But it was often a very difficult matter, requiring the knowledge of professional experts, to judge whether the new work did or did not so interfere, &c. As the law stood at present, when the Engineers found out that any such objectionable new work had been executed (and this they had to detect for themselves), if the Collector wished to enforce the penalty of the section, he was obliged to prove to the satisfac-tion of the non-professional officer who presided in the Court that the work done was such as "to interfere with, counteract, or impede any public

embankment or public water-course." To prove this judicially was no easy matter; however obvious the thing might be to experts who understood the subject and the local circumstances, the attempt to prove it judicially was just as likely to break down as not. Under section 4, clause (2) of the existing law the Collector had the power to remove an embankment if he considered it an obstruction and that it interfered with the drainage of the country, but if he failed to get a conviction under the penal clauses of the Act on the ground that it so interfered, then the party who put up the embankment would under section 30 be able to claim compensation for the removal. This made it extremely difficult to work. The Lieutenant-Governor had therefore found it necessary to ask the Legislature for power, in some parts of the country where circumstances required it, absolutely to prohibit the construction of such works without leave previously obtained from the authority rities. But this was not absolutely necessary in all parts of the country; and the provisions of the Bill had been devised to meet this state of things. Section 6 provided that the Lieutenant-Governor might notify certain tracts within which the works should not be done by individuals without obtaining previous permission, and the mere fact of so violating this prohibition had by a subsequent section of the Bill been made penal. But, as Mr. Dampier had said, it was not necessary to extend this somewhat strict clause to the whole country, and therefore as regards all the country which was not notified as included in tracts to which the prohibition should apply, the law would remain as it had been hitherto.

Passing on to Part II, relating to the powers of the Collector and the procedure thereon, section 7 was very important and took the place of the old section 4. It defined the powers to be exercised by the Collector-by the Collector not as an individual officer, but as the representative of the Government, acting in its Revenue Department. That should be thoroughly understood, because a good deal of discussion had been raised on this point. Under the existing law, the Collector had a good many of these powers, and when it became necessary for his revenue superiors to restrict him in the exercise of those powers, it had been urged that as the law vested them in the Collector, it was unconstitutional of the superior revenue authorities to restrict the exercise of them by each Collector according to his own discretion. Mr. Dampier himself thoroughly disagreed in such a view. His own belief was that whenever (in connection with the performance of executive as contra-distinguished from judicial functions) the law said that the Collector or the Magistrate, or any other specified officer, might do so and so, it meant (unless the contrary was expressed or implied by the context) that he might do so "if his executive superiors would let him." However, section 7 as drafted met the objection; its purport was that those works, regarding which it had been found by experience that a larger view should be taken than that which the Collector or Engineer of an individual district might take, should be initiated by the Collector, but should not be finally undertaken without the sanction of the Lieutenant-Governor, who would consider the proposal in the Public Works Department, with reference to the whole aspect of the question. Of course the Lieutenant-Governor was to be got at through the usual channel of the Commissioner of the Division, and so on.

Regarding Part III, procedure in the case of danger to life and property, what was called the "emergent procedure," he had no remarks to make, because it was a reproduction of portions of Part III of the existing Act. There was no alteration which was of sufficient importance to bring to the

notice of the Council.

Part V, which was imperfectly headed "acquisition of land," but which ought to have been headed "acquisition of land and compensation," had been . the subject of much discussion; but the only alteration which had as yet been embodied in the Bill was the 4th clause which had been added to section 38. As the law stood, in awarding compensation for damage done, there was no provision made that any benefit which the party claiming compensation had derived from the same work, in another part of his estate perhaps, should be set off against his claim to compensation for damage done to him elsewhere.

Mr. Dampier had therefore simply re-enacted from Act XXXII of 1855 that the judge and the assessors should take into consideration, in settling the amount of compensation, whether any party to the suit had derived benefit from the work in respect of which compensation was claimed, and should set off the estimated value of such benefit against the compensation which would otherwise be decreed to such party. That was the only material calteration as yet in the Bill. But his hon'ble and learned friend the Advocate-General had brought to his notice a correspondence which would make it necessary to introduce certain words into this Part of the Bill to clear up certain doubts which still existed therein, and to which he would call the attention of the Select Committee in due course.

Then. Part VI related to the cost of works, proceedings, &c., and in connection with this Part Mr. Dampier would notice a difficulty which he had mentioned at the last meeting of the Council as regards the service of notices which were required by the Act at every turn. And here he would read to the Council what Mr. H. L. Harrison said in his Manual on Embankments in a note to section 38 of the Act—

"It has been already remarked that the weak point in the Act is the system of serving notices in the most wholesale manner at every stage of the proceedings. Take an ordinary case of the repairs to a line of embankments some 20 miles in length, which would probably protect some 200 square miles of country which might well contain 250 estates and 500 villages. The cost of repairs would, perhaps, be Rs. 4,000 in any given year. Notice of the receipt of estimates would have to be served on the 250 estates by putting up a copy at the mal cutcherries of such as had them, and where no such cutcherry exists by fixing them up in a conspicuous place, and by delivering a copy to the agent who paid the last, or shall pay the next, instalment of revenue, if the revenue be over Rs. 100 per aunum. Next, on the receipt of the accounts, the same process has to be gone through for the 250 estates and the 500 villages, and to crown all, when the amount to be apportioned has been fixed, similar notices have to be served, containing the list of names, that is 750 notices, each containing 750 names. Lastly, when apportioned, further notices have to be served on estates (section 49). Thus in the case concerned 2,500 notices would be served from first to last, to levy Rs. 4,000, even if levied once for all; and it can hardly be maintained that it is practicable to go through this procedure month after month. The alteration which is needed is to make the service of separate notices only necessary for large estates where payments would be heavy, say estates paying above Rs. 100 revenue as in the case of the Road Cess Act."

That was the principle which had been adopted in the Bill. Notices were divided by sections 78 and 79 of the Bill into general and special in respect of each project of work, of each set of estimates, of each set of accounts, and of each apportionment of expenses; general notices would be widely published as provided in section 78, but special notices would only be served in respect of the larger interests affected; the amounts to be paid in respect of some estates and tenures were so small that the service of special notices would cost more than the amounts for which they were served. Mr. Dampier thought this change would commend itself to the Council.

Section 57 recognized the mode of apportionment which had hitherto been in force in the Gunduck embankment in the Mozufferpore district. It was found that the expenses hitherto incurred for the maintenance of these embankments had been apportioned on a system which affected to be one of the three modes of apportionment recognized by the Act. But it was not exactly in accordance with any of those systems, and the procedure which had been adopted was not covered by the section in the existing law. The object of the clauses which had been inserted in the Bill was to legalize what had been done, and also to legalize the system which had now become the custom in respect of these embankments as regards the apportionment of all expenses to be incurred in the future.

Sections 62 to 67 contained, perhaps, the most important part of the Bill. Hon'ble Members who had read the correspondence which had been circulated as annexures to the Bill were aware of the difficulty which attended the apportionment year by year of the expenses actually incurred, and there was another objection to the existing system. When an embankment was first taken in hand by the Government, there was usually a very large initial expenditure to get them into proper form. The expenditure of the first two years was extremely heavy, and the payment of it was an intolerable burden on the zemindars concerned; but after the embankment was get into order the mere expense of maintaining it and of repairs was trifling in comparison. It was proposed to get over the difficulty and trouble to all concerned by introducing what might be called the contract system. The Lieutenant-Governor would decide what was likely to be expended in the maintenance of an embankment

in any number of future years which he might think proper to take as the period included in his order. Then, the total of such amount would be the amount payable by those who were liable for the expenses during that period, and that total amount would be divided into as many equal parts as there were years within that period. The limit which was imposed by a certain section of the present. Act was retained, but the amount payable in any one year would not be more than one rupee an acre on the area benefited or protected.

It was obvious that any means by which all the annual repetition of the flood of notices and trouble of apportionment could be got over would be an enormous relief to those who were concerned. Before the contract was finally entered into the parties interested would have every opportunity of submitting

their objections, which would be fully considered.

Section 60 was a reproduction of the existing law which provided that the amounts due to the Government under the Act should be recovered as arrears under the provisions of the l'ublic Demands' Recovery Act. Mr. Dampier was personally answerable for the introduction of sections 70 and 71. Under the existing law the only mode of recovering arrears was under the provisions of the l'ublic Demands' Recovery Act. under which the property and person of the individual only, who was liable for the payment at the time of apportionment, could be followed. Suppose that before the amount was levied the proprietor sold his estate and became insolvent. Was the Government, which had advanced the money, to lose the sum which it had advanced. Certainly not. The money, had been expended for the benefit of the estate, and it was only reasonable that payment of 'the amount should be secured on the land. The principle of sections 70 and 71 was not new; it had been accepted by the Council in the Drainage Act which it passed last year. If the Collector could not recover from the individual, or under any circumstances, if he thought proper, he would be empowered to recover the sum advanced from the land in one of the modes specified in section 71.

Sections 82 to 84 related to appeals and the power of revision and control. The essence of them was that certain orders should be appealable as of right, but in all nutters the superior controlling authorities should have the power of controlling and of revising the orders passed by their subordinates.

Section 88 was new, and it provided that the Lieutenant-Governor might make certain rules. It was taken from the Bengal Irrigation Act, III of 1876. It was found a very useful provision, as under it almost anything which was overlooked in the Act in respect to machinery might be supplemented by means of rules passed by the Lieutenant-Governor.

Then section 89 saved the operation of certain Acts: it provided that the Act should not apply to any embankment, land, or water-course which was under the operation of the Drainage Act, the Irrigation Act, or the Canal

Tolls Act.

The Hon'ble Kristodas Pal said he generally accepted the reasons which had induced the hop'ble Mover to introduce this Bill. He entirely agreed with him that the eight years' working of the Act had certainly disclosed defects which ought to be remedied. He was glad to observe that the hon'ble member did not interfere with the substantive part of the law. The Bill was, strictly speaking, to be a Bill of details, which would be better dealt with in committee. But there was one important question of principle which Baroo KRISTODAS PAL wished to bring to the notice of the hon'ble Council. Under the existing Act, and under the Bill as it had been framed by the hon'ble Mover, the Collector would be the responsible officer to supervise the operations of the Engineer, subject of course to the control of the Commissioner, the Board of Revenue, and the Government of Bongal in the Public Works Department. The Collector, as the hon'ble Mover observed, would be the representative of the Revenue Department of the Government, but BABOO KRISTOPAS PAL found that a very experienced Collector had himself stated that he was not in a position to exercise any control over the Engineer. He held in his hand a copy of the report of a committee appointed by His Honor's Government in 1879, which was signed by Mr. Dampier, Mr. Harrison, and Colonel Haig, and in which it was stated that Mr. Harrison strongly contended that "it is quite impossible for the Collector to exercise any control over the details of repair estimates, and that any rule the tendency of which is to make him responsible for them is inequitable, and must practically

be a dead-letter." Banco Kristodas Pal thought it would conduce greatly to the relief of the Collector if a committee was associated with him in superintending the operation of the Act. The Embankment Act, he submitted, was analogous in principle to the Road Cess Act and the Drainage Act, and under the last two Acts committees were consisted. Drainage Act, and under the last two Acts committees were associated with the Collector for the administration of those Acts. There were many questions arising out of the Act in the settlement of which the Collector might derive material assistance if persons interested in embankments were associated with him as a committee to give him information and advice. He did not mean that the power and control of the Government over the operations of the Collector should in any way be diminished; all that he meant was that, if persons interested in embankments, and who were required to pay for their maintenance, were formed into a committee and associated with the Collector in the administration of the law, it would be satisfactory to the people and conducive to the efficient working of the law. What particular powers should be assigned to the committee would be a matter for the consideration of the Select Committee, if the Council accepted the suggestion which he had taken the liberty to make. But he did think that the time had now arrived when those who were called upon to pay for the maintenance of embankments, should have a voice in the expenditure of the money contributed by them. The hon'ble Mover of the Bill in moving at the last meeting of the Council for leave to introduce the Bill said that "the age of give and take had passed away; the time had passed away when the people were ready to accept a paternal Government as an arbitrator to do justice between individuals and the public at large." If Bengal had passed the patriarchal epoch, Baboo Kristodas Pal thought that the time had arrived to give those who were interested in the maintenance of embankments a voice in their own affairs. This was now also the policy of the Government, and it would be quite inconsonance with that policy to give those who contributed towards the maintenance of embankments a voice in the administration of the law. He found that Mr. Worsley, Collector of Moznfferpore, made some such suggestion in his report on the draft Bill; he thought that the administration of the embankment law should be put under the Road Cess Committee. BAROO KRISTODAS PAL did not go with Mr. Worsley fully in the recommendation he had made, but he thought it was one which was entirely consistent with the suggestion he had now made. He therefore submitted this suggestion for the consideration of the Conneil.

The Hon'ble Ameer All remarked that there were various points in this Bill regarding which he entertained serious difficulty, but as he believed it would be explained away when the measure was considered in Select Committee, he would not occupy the time of the Council unnecessarily. There was one point, however, to which he was bound to call the attention of hon'hle members. Section 75 of the Bill provided that any person who should without due authority cut through, or attempt to cut through, or attempt to destroy any public embankment, or open, or shut, or obstruct any sluice in any such embankment, or in any water-course, should, in case the act did not amount to mischief within the meaning of the Penal Code, be liable to imprisonment of either description for a term not exceeding one month, or to a fine not exceeding two hundred rupees.

He could not see the necessity of the words "in case the act shall not amount to mischief within the meaning of the Penal Code." The section was no doubt a transcript of section 54 of the existing Act, but that was no reason for perpetuating a mistake. The definition of the term "mischief" in the Penal Code was sufficiently comprehensive to include all possible offences intended to be made punishable by section 75. He did not therefore perceive the reason for enacting an offence outside the Penal Code, and would suggest

that the words to which he had referred might be left out.

The Hon'ble the Advocate-General remarked that the objection which had been raised did not appear to him to be of much practical force, hecause, if the offence which was defined in this section could possibly be committed by inadvertence, there could be no doubt that it would be met by a very slight fine.

His Honor the President observed he did not doubt that the question which had just been raised would be taken into consideration by the Select Committee. And with reference to the suggestion which had been urged by the Hon'ble Member who first spoke, if he would bring forward any really practicable scheme under which those who were interested in the maintenance of embankments might have a voice in the administration of the law, His Honor would be happy to give the matter his earnest consideration. It seemed to him that it might be a matter of practicable difficulty to get together a Board who were sufficiently interested in the question, and who were qualified to give an opinion in a matter which might affect the public outside of their own estates. But if the thing bould be practically done, it was entirely in accordance with his own views to associate with the Collector a Committee of gentlemen who took practical interest in the matter, in the same manner as was done under the Drainage Act.

The motion was then carried and the Bill referred to a Select Committee consisting of the Hon'ble Mr. Revnolds, the Hon'ble Mr. Allen, the Hon'ble Kristodas Pal, and the Mover, with instructions to report in one month.

AMENDMENT OF THE CALCUTTA MUNICIPAL CONSOLIDATION ACT.

THE HON'BLE MR. REYNOLDS moved that the Bill further to amend "The Calcutta Municipal Consolidation Act, 1876," be read in Council. He said that it would be in the recollection of the Council that when he moved for leave to introduce this Bill he stated that the sole object of the Bill was to alter the date of the commencement of the municipal year. The Bill had since been printed and was in the hands of the members, and it was so short that he need not take up much time in explaining its provisions. It simply provided that the year should commence on the 1st of April, and that in respect of such licenses as might have been taken out, or which were required to be taken out during the current year 1882, in the case of yearly licenses twenty-five per cent., and in the case of half-yearly licenses fifty per cent., calculated upon the full amount chargeable upon such licenses respectively, should be paid, and that the licenses which would expire on the 31st December should continue in force till the 31st March following, and those which would expire on the 30th of June should continue till the 30th of September. The 6th section of the Bill merely provided-it was thought safer to introduce the section-that any one who neglected or refused to pay the additional sum payable by him under this Bill should be liable to a fine in the same way as if he had not paid the fee for his license under the Act now in force. The only other matter to which MR. REYNOLDS would call attention was the proviso to section 3. The Bill substituted certain months for certain other months in the Municipal Act. But it substituted those in the same rigid way in which the months were specified in the existing Act, and it appeared convenient that there should be given to the Government, on the application of the Commissioners in meeting. power to alter and substitute other dates for those now in the Bill. A very similar practice had at one time been adopted in the Calcutta University procedure. It was formerly the case that the regulations of the Calcutta University, which had the force of law, prescribed specific dates for the various examinations held by the University, and this would have led to considerable inconvenience if there had not been a saving provision which allowed the Syndicate to alter all dates. It was to obviate the occurrence of any similar inconvenience that he had inserted the proviso to section 3 of this Bill.

The Hon'ble All said that he had a suggestion to offer with reference to section 6 of this Bill which would probably meet with the approval of the hon'ble member in charge of the measure. This section provided that whoever neglected or refused to pay the additional sum required under the two last preceding sections should be liable to a fine not exceeding three times the amount payable by him exclusive of the amount so payable. He would suggest the insertion of the words "within three days after service upon him of a written requisition in that behalf." The neglect to pay the amount might be accidental, as often happened to be the case, and it would be rather harsh to punish a man with such a heavy penalty for an accidental omission. He hoped the Select Committee, to which the Bill would be referred, would consider this point.

The Hon'sie Mr. Remound observed that the suggestion which had been made by the hon'ble and learned member would be considered in committee.

The motion was then agreed to, and the Bill referred to a Select Committee, consisting of the Hon'ble Mr. Allen, the Hon'ble Mr. Caithness, and the Mover, with instructions to report in a week.

The Council was adjourned to Saturday, the 11th February next.

EXTENSION OF THE OUTSTILL SYSTEM FOR THE VEND OF COUNTRY SPIRIT.

THE following papers are published for general information :

No. 1751, dated Simla, the 18th July 1881.

From—S. Jacob, Esq., Officiating Under Secretary to the Government of India,
Department of Finance and Commerce,

To-The Secretary to the Government of Bengal, Financial Department.

I am directed to acknowledge the receipt of your letter No.. 35, dated 16th June 1881, and enclosure, being a report on the effect of the extension of the outstill system in Bengal. This report is the result of the enquiries which were instituted with reference to certain representations from the Rev. Thomas Evans of Monghyr. A further communication has been received from that gentleman (of which a copy is herewith enclosed), in which he repeats what he said on the previous occasion, that the outstill system has contributed greatly to increased drunkenness among the people.

2. In reply, I am to observe that the question, whether the central distillery or the outstill system is the best calculated to secure all interests, was long under discussion, and that preference is now given to the latter system after full and mature consideration. The Governor-General in Council does not consider it expedient to raise the discussion of this question de novo, or in any way to disturb a system so recently adopted. But it appears proper to consider, assuming that the system now adopted is the most suitable, whether or not that system is being carried out with discretion.

*3. Mr. Money, in paragraph 68 of his rote, dated 25th January 1875, of which a copy was forwarded with your letter No. 439, dated 22nd February 1875, writes thus-

"My own idea of the best form of excise generally, for Bengal, is the sudder distillery system in towns, and the outstill system in the interior; with strict precautions against the tendency of the latter to multiply outstills in the interior, and against the tendency of the former to increase shops in towns."

The question for consideration is, therefore, whether in giving effect to the outstill system, the strict precautions, to which Mr. Money very rightly drew

attention, have been taken.

There is every reason to believe that in certain particulars Mr. Evans' statements are very much exaggerated. Nevertheless, the facts contained in your letter under reply afford good prima facie ground for supposing that, at all events in respect to Monghyr, his allegations are not altogether unfounded. In introducing the outstill system in a new district, the most prudent course would seem to be to establish, in the first instance, such a number of outstills as was manifestly required for the wants of the population, and afterwards to increase that number if further experience showed that more licenses were really required. From the statistics contained in the Board's letter, it is evident that an opposite course was adopted, inasmuch as in 1880-81, in Monghyr, licenses were given for 493 outstills, which number was subsequently

Digrator			Popula-	Number of entstills.	Population in each of putstill,
Paten Dir Paten Gya Shahabad (Arrah) Parbhanga Masa Baryana Masa Baryana Marana (Chupra) Chunggrun	475 873	MAR Par Wall Mar Mark	1,579,608 2,947,924 1,783,074 6,490,913 1,188,388 2,697,897 3,646,816	256 285 210 165 170 225 178	6,236 6,0-7 7,872 84 104 14,589 9,314 8,528
Mary Company	Total	***	18,420,881	1,309	0,003
Bkagulare B Mongleyr Bhagulpore Purposh Maldah	icioton.	994 3 set	1,514,518 1,512,484 1,716,706 01(g):07	419 507 518 317 318	4,798 6,657 6,657 6,618 8,556
A COLUMN	Total	1001	0,011,511	Laur	5,740
Total for linesupon anchieve Perguntah	e Divisio	ms,	10,452,224	0,656	• t.104

reduced in 1881-82 to 439. A similar result is also apparent in several other districts. The natural inference is that in the first instance licenses were granted without due attention to the strict precautions to which Mr. Money alludes, and thus undue facilities were afforded to induce the habit of drinking. And this inference is still further supported by the marginal statement, from which it will be seen that even now, when the number of outstills has been reduced to 439, there is, in the Monghyr district, one such still to every 4,183 persons; the proportion is greater than that in any other of the districts of the Paton and Blagulpore Divisions. In the other dis-

tricts the proportion varies from a minimum number of one still to 24,204

people in the Durbhunga district to a maximum number of one still to 5,326

people in the Maldah district.

There is another point upon which the statements made by Mr. Evans call for further enquiry and explanation. In paragraph 4 of your letter it is stated that the outstill liquor is believed to be purer and less adulterated than the spirit sold under the Government distillery system. Mr. Evans, on the other hand, speaks of the "foul adulteration of the stuff now offered for sale," and he says that the liquor sold under the outstill system is more injurious to the constitution than that which was formerly sold under the sudder Eistillery system.

These are the points upon which the Government of India would wish His Honor the Lieutenant-Governor to institute further enquiries, and submit

a complete report for their information.

Dated Monghyr, the 25th June 1881.

From - Thomas Evans, Missionary,

To-His Excellency Lord RIPON, Governor-General of India.

Freeling quite sure that your Excellency is deeply interested in the well-being of the people of this land, and having on a former occasion been favoured with a kindly reply to my letter on the question of the evil effects of the outstill system of abkari in these provinces, I have ventured once more to call your Excellency's attention to this question, which is so

pregnant with the most serious results to millions of people in India.

The Hindus, as a nation, are a sober people, and when I came to India, 26 years ago, I hardly ever saw a drunken man in the bazars, but now I can hardly visit a bazar or a village without being shocked with scenes of debauchery; and if the flood of strong drink continues to extend at its present rate for a few years longer, it is greatly to be feared that India will have sunk as deeply into the mire of drunkenness, as China has fallen into the stupor of the opium plague.

The drinking traffic of India I have closely watched for the last 20 years or more, and while it has continued to increase more or less from year to year, I do not hesitate to say that it has suddenly taken a fearful leap in advance since the introduction of the outstill system in the excise department, than which scheme, I venture to say, there could not be a

greater blunder by Government or a sadder misfortune to the subjects.

As it is not necessary for me to describe the working of the old plan and the wholesome check it was upon general drankenness, I shall confine my remarks to the evils of the new system.

The great curse of the new system is the cheapness of the so-called spirits that are

now being distilled, and the introduction of private distilleries all the country over.

1. One evil effect of the present extraordinary cheapoess of the drink is the foul adulteration of the stuff now offered for sale. The daroo distilled at the old Government distilleries was the pure essence of the mahooa fruit, or the rice from which it was made, and though it was intoxicating, yet taken moderately, it was not so injurious to the constitution. Not so, however, with the wretched concoction which is now sold as daroo, and which is drugged and corrupted with all manner of cheap and nasty narcotics, simply to make it strong and to make a little of the real stuff go as far as possible. For Government distilled daroo the people had to pay eight annas and twelve annas per bottle, while the present stuff is sold at less than one-fourth that price, which fact alone is sufficient to show that the article sold is largely adulterated by those who make it, without which process they could not sell it at such a low rate as aix pice or two annas per bottle.

I am not sufficiently as fait in the character of the foul ingredients that are so freely used to adulterate the drink; but the after-effects of drinking, which I often see in my own servants, is enough to show that they are most injurious to the constitution, and that they

create an insatiable craving for more drink.

2. The other great evil effect of the present system is seen in the alarming increase of drinking and drinkenness since the introduction of the outstill system. Should your Excellency be pleased to order an equiry into this matter, I feel pretty sure that it will be found that for every one who got drunk before, there are now eight or ton who are given to habitual intoxication. Statistics from the police returns will show an increase of drunkenness and orime; but it should not be forgotten that the police have no power to take up a drunken man outside the boundaries of the municipality; and further, that the great majority of those who drink heavily are not disorderly, and, therefore, not noticeable by the police. They are, as a rule, appliciently drunk to be stupid and unfit for work, but not violent or obstreperous, and, therefore, unnoticed by the police.

Allow me to give your Excellency a fact or two in this direction. I often preach in the bazars of Monghyr, and until the outstill system began I seldom saw a drunken man in the atrects; but now I find that, out of a 100 people who may stand to hear me, about the one-

helf of them are more or less under the influence of drink.

Domestic servants, who before hardly ever gave their masters trouble through drink, are now absent two or three days a week drinking. Only the other day a respectable Mahomedan gentleman had to call upon me, and he apologized for coming on foot, while he had horses in his stable but no groom and no grass-cutter to attend to them, as they were all away drinking